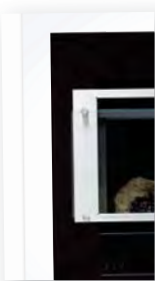
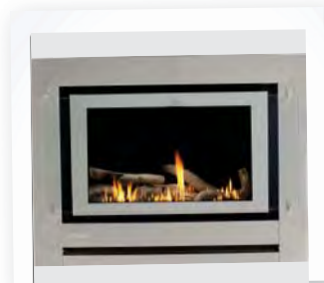


Rinnai

Specification guide Gas fireplaces



Important:

This guide has been written to help you select and order the right Rinnai gas fireplace, associated components, and accessories. This information is not intended to be an installation guide.

Rinnai is constantly improving its products, and as such, information and specifications are subject to change or variation without notice. For the most up-to-date information go to www.rinnai.co.nz.

We'd love to hear from you

If you have any feedback about this guide we'd love to hear from you. Either email us (place 'Rinnai Specification Guide feedback in the subject heading), or call Customer Services.



For more information about buying, using, and servicing of Rinnai appliances call: 0800 RINNAI (0800 746 624).

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contents:

Gas fire range	4
Flueing options.....	5
Choosing the right gas fire.....	6
Mantels, surrounds, and hearths.....	7
TV installation above a fireplace.....	8

Product specification pages

Evolve 950 specification	9
Evolve 950 positioning	10
Evolve 950 burn media, frames and accessories	11
Evolve 950 flueing options	13
Evolve 950 flue components	14
Evolve 950 ordering guide	16
Arriva 752 specification.....	17
Arriva 750 specification	18
Arriva 750/752 frames and burn media options.....	19
Arriva 750/752 positioning.....	20
Arriva 750/752 flueing options.....	21
Arriva 750/752 flue components.....	22
Arriva 752 ordering guide	24
Arriva 750 ordering guide.....	25
Symmetry RDV3611 specification.....	26
Symmetry RDV3611 positioning	27
Symmetry RDV3611 frames and accessories	28
Symmetry RDV3611 flueing options	29
Symmetry RDV3611 flue kits and components.....	30
Symmetry RDV3611 ordering guide	32
Neo Inbuilt/Premium Classic specification	34
Neo Inbuilt/Premium Classic positioning.....	35
Neo Inbuilt/Premium Classic frames and ZCB	36
Neo Inbuilt/Premium Classic flueing options.....	37
Neo Inbuilt/Premium Classic flue components	38
Neo Inbuilt/Premium Classic ordering guide.....	39
Neo Freestanding specification	40
Neo Freestanding positioning.....	41
Neo Freestanding frames and outer panel kits	41
Neo Freestanding flueing options.....	42
Neo Freestanding flue components	43

Neo Freestanding ordering guide.....	45
Compact 2 specification.....	46
Compact 2 positioning	47
Compact 2 frames and zero clearance box	48
Compact 2 flueing options	49
Compact 2 flue components.....	50
Compact 2 ordering guide	51
Impression outdoor fire specification.....	52
Impression outdoor fire positioning	53
Impression outdoor fire accessories	54
Impression outdoor fire ordering guide	55

Appendices

Appendix 1: Rinnai heating running costs	57
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Gas fire range

Rinnai gas fires are designed and made in New Zealand. Blending functionality and style, a Rinnai gas fire will be a focal point in any room. Hallmarks of our product range are precise temperature control, beautiful design and top rating energy efficient heating.

Rinnai gas fire range summary table



Model	Suitable for	Glass front	Flue type	Integrated ZCB*	Input MJ/h	Output kW	Thermal eff. on high %	Heating area m ²	Remote control
Evolve 950	Inbuilt mock chimney	Yes	Power flue	Yes	10-34	2.4-8.1	86	82-125	Yes
Symmetry RDV3611	Inbuilt mock chimney	Yes	Direct vent	Yes	19-33	3.8-7.5	80	62-101	Yes
Arriva 750/752	Inbuilt mock chimney and existing masonry	Yes	Power flue	Yes	8-31.5	1.8-7.0	85	70-108	Yes
Neo inbuilt	Inbuilt mock chimney and existing masonry	Yes	Natural draft	No	14-30	3.0-6.9	80	69-107	ETR option only
Neo freestanding plinth & console	Freestanding	Yes	Natural draft	No	14-30	3.0-6.9	80	69-107	ETR option only
Compact 2	Inbuilt mock chimney and existing masonry	Yes	Natural draft	No	9-25	1.6-5.0	73	50-77	No
Impression	Outdoor only	No**	N/A	N/A	25-45	12.0	N/A***	N/A***	No

* ZCB = zero clearance box, a box that isolates the appliance from combustible materials

** Glass bi-fold door assembly can be purchased as an accessory

*** Reduced efficiency appliance—primarily designed for aesthetics

NB: Input, output, and efficiency will vary depending on gas type and flue configuration.

Flueing options

The type of flue (natural draft, power flue, or direct vent) will dictate where a Rinnai gas fire can be installed. When selecting a fire, check the flue type on the previous page. The different flue types are explained below.

Natural draft

Often referred to as a standard flue system. This type of flue draws the air for combustion (to run the fire) from the room and then expels air to the outside via a vertical flue. As the air for combustion is being drawn from the room there is a requirement for adequate ventilation (requirement to replenish the air).

Adequate ventilation must be calculated and provided by the gasfitter, as per AS/NZS 5601.1

The flue must terminate vertically through the roof (refer p. 37).

Power flue

A Rinnai power flue system has a sealed combustion chamber, with a fan, that draws air for combustion from the outside (through the outer flue) and expels gases to the outside (through the inner flue). This type of system heats a room without taking oxygen or heated air from the room.

Rinnai appliances flued by a power flue are approved by the sensitive choice programme of the Asthma foundation as they maintain air quality for a healthy breathing environment.

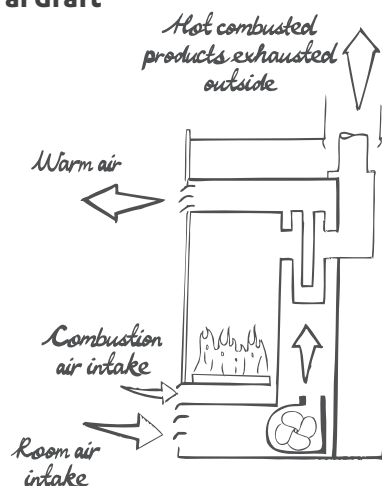
Power flues are smaller in size, can have a number of bends, can be flued down-and-out, sideways, and can terminate horizontally or vertically. This means power flued appliances can be installed in almost any living or working space, including bedrooms (refer p. 13).

Direct vent

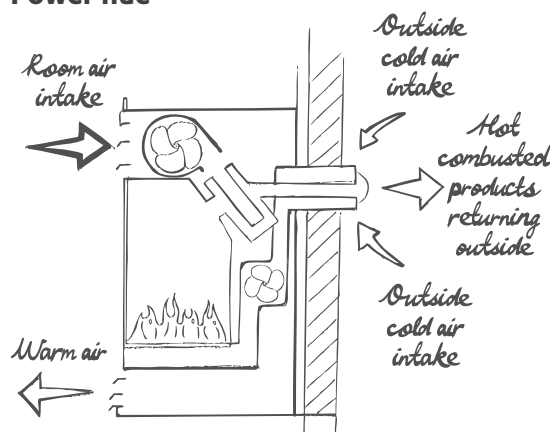
A direct vent flue system, like the power flue, also has a sealed combustion chamber, but differs by using natural draft to draw air (from the outside) and expel combusted gases (to the outside). Like the power flue, the air quality of the room being heated is maintained, which is why the Symmetry is also approved by the sensitive choice programme of the Asthma foundation.

Direct vent flues, as they use natural draft to move air and gases through the flue system have a larger flue size (compared to the power flue). The flue can terminate horizontally or vertically (refer p. 29)

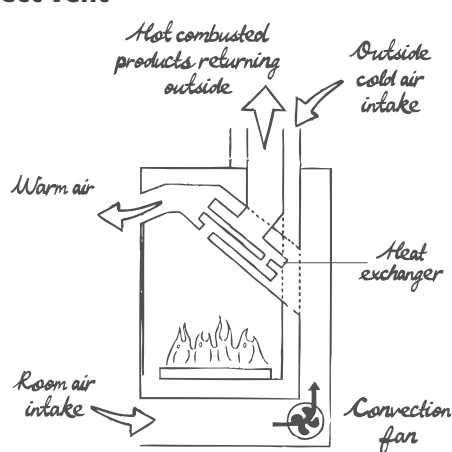
Natural draft



Power flue



Direct vent



Choosing the right gas fire

Consideration such as geographical location, room size, room insulation, and functionality versus aesthetics all play a part in choosing the right gas fire.

Geographical location

Where you live in New Zealand can determine the type of heating solution you choose. The diagram shows nationwide winter climate zones. It is important to correctly identify your climate zone as it directly affects the performance of your heating solution.

Room size

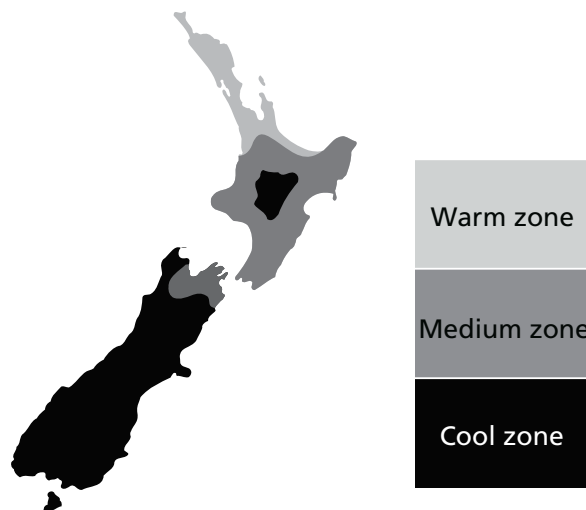
Consider the whole area you need to heat. This should include adjacent rooms through permanently open doorways and hallways.

A useful guide when calculating the size of heater you need for a room is to measure the volume (length x width x height, in metres) and divide by 20 to get the kW rating of the appliance needed.

Functionality vs. aesthetics

Additional considerations are based on functionality, the look of the fire, and where it is likely to be installed.

For example; are electronic timers and a fully programmable remote control important, or is simplicity a key factor? Is the fire required to replace an existing fireplace in a masonry chimney, or is a new mock chimney being built?



HEATING AREA

Gas Fireplace	Warm zone	Medium zone	Cool Zone
Evolve 950	125 m ²	111 m ²	82 m ²
Arriva	108 m ²	95 m ²	70 m ²
Neo	107 m ²	93 m ²	69 m ²
Symmetry RDV3611	101 m ²	77 m ²	62 m ²
Compact 2	77 m ²	68 m ²	50 m ²

As an estimate you can make the following deductions from the heating areas shown for specific heat loss factors .

If you have:	Deduct above heating area by:
No ceiling insulation	10%
Wooden floor (not concrete slab)	5%
No carpets	5%
No curtains on single-glazed windows	5%
No curtains on single-glazed windows, area exceeding 15 m ²	10%
Ceiling height 2.5-2.8 m	3%
Ceiling height 2.8-3.0 m	5%
Ceiling height 3.0 m +	7%

For example: The Evolve 950 will heat 125 m² (warm zone). If there is no ceiling insulation this area reduces by 10% to become 112.5 m².

Mantels, surrounds, and hearths

Mantels, surrounds, and hearths can be added to complement design, providing they conform to the clearance requirements and guidelines stated in this guide.

Mantels and surrounds

Clearance requirements of mantels and surrounds made of combustible material, such as wood, will vary between models due to the way in which a fire is designed and how heat is dispersed into a room. The position of a mantel and surround will vary if the fire has a curved or flat front, has a fan, or even how thick the frame is.

Arriva models have reduced clearances compared to all other Rinnai gas fires due to their unique bottom air discharge.

For individual mantel and surround clearances for each model, refer to the specific positioning pages of each model.

Hearths

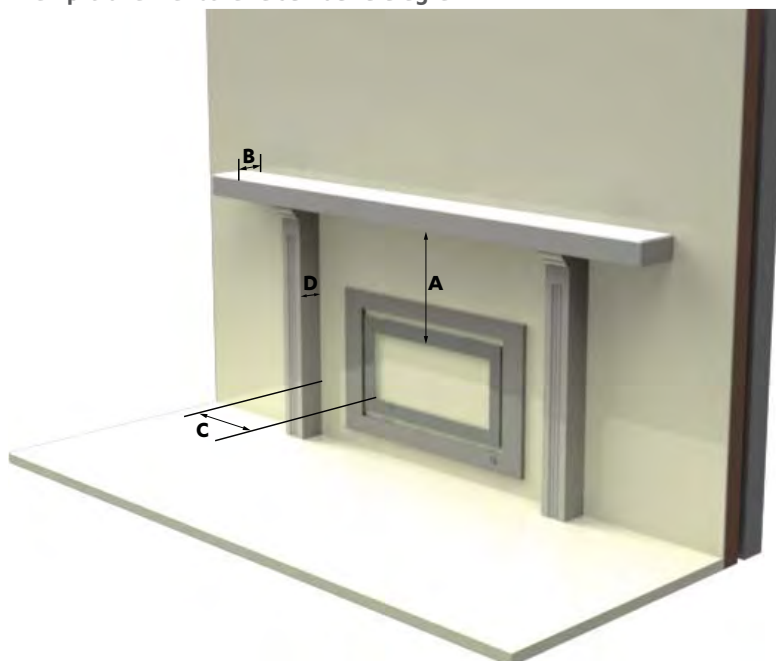
A hearth is not necessary for Rinnai gas fires, but can be used for decorative purposes, or protection of sensitive flooring materials. Some flooring can discolour from the radiant heat generated by the appliance.

General guidelines if installing a hearth, or installing a gas fire when there is already a hearth, such as in an existing masonry fireplace.

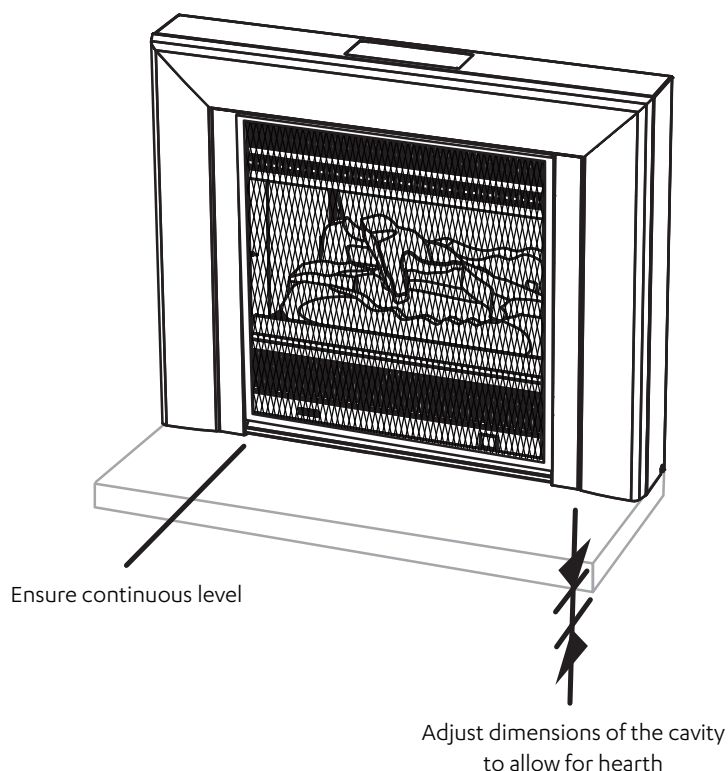
- It must not obscure the front of the fire.
- The bottom of the appliance must be level with the top of the hearth so there is a continuous level.
- It should be at least the width and depth of the fire.

If installing a hearth remember to adjust the height of the cavity to allow for the hearth.

Example of a mantel and surround diagram



General hearth guidelines



TV installation above a fireplace

If installing a flat screen TV above a fire, the main issue is heat. Heat from the fire, and heat from the flueing components that could be installed behind the TV (especially if recessed).

The Rinnai gas fires below all have a powerful fan that distributes warm air from the appliance out into the room. As warm air is dispersed outwards, as opposed to directly upwards, installation of a TV may be an option.

Models with a powerful fan:

- Arriva 750/752
- Evolve 950
- Symmetry RDV3611
- Neo

The general rule for television installations is that the bottom of the television recess should be at least 400-450 mm above the fire.

For a TV mounted directly above a fire, the mantel must be at least the depth of the TV to deflect heat away from the appliance.

Always check with the TV manufacturer

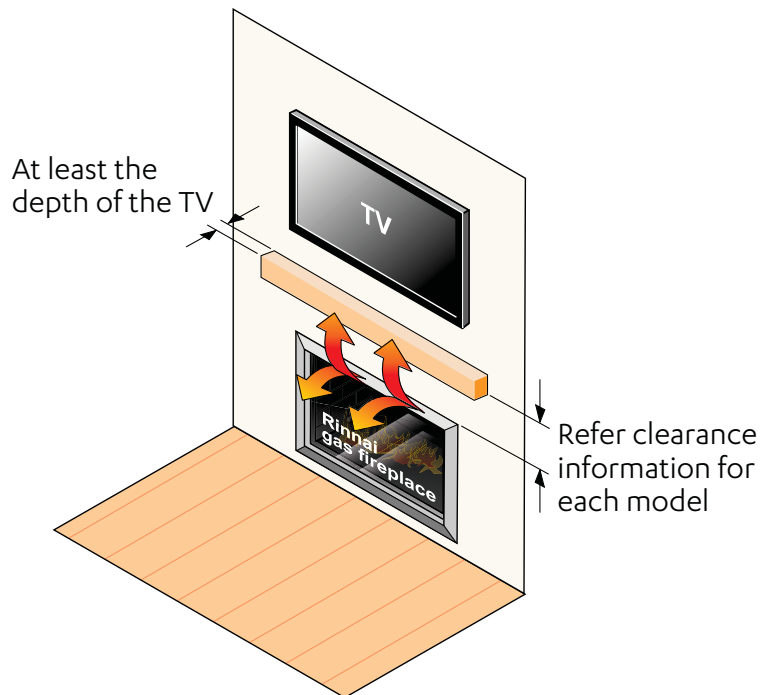
Some television warranty conditions state that a TV is not to be installed above a fireplace—always check with the TV manufacturer beforehand.

Rinnai does not accept any responsibility for damage to a TV resulting from the use of this information.

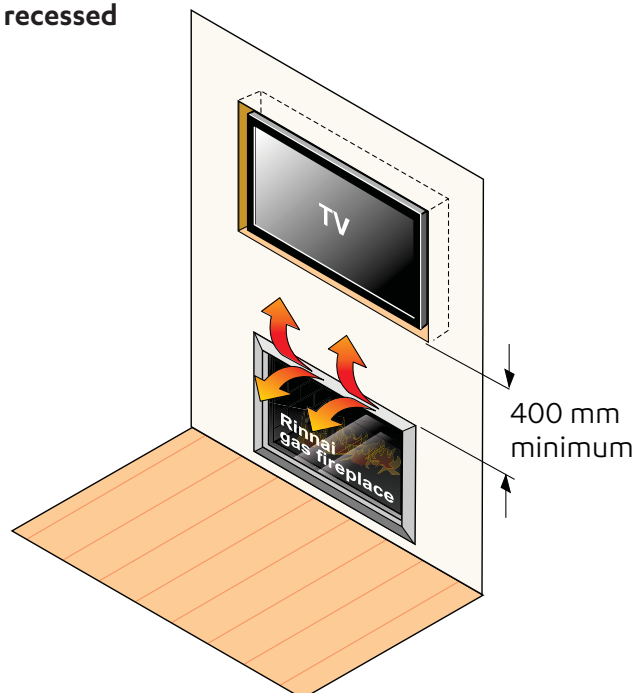
Compact 2 not suitable

Installing a TV directly above the Compact 2 is not recommended due to the heat being emitted directly above the fire (especially when the fan is not operational), and also due to the heat being generated from the flue components.

TV directly above



TV recessed



Rinnai gas fireplaces

Product specification pages

Evolve 950[®] specification



Inbuilt exhaust balance flued convection gas fire with electronic temperature control, timer, and remote. Different frame and burn media options available.

Specification summary

Input	= 10-34 MJ/h
Output	= 2.4-8.1 3* kW
Efficiency	= 86% (on high)
Heating area	= 82-125 m ² **
Gas type	= NG or ULPG

Suitability

Ideal for living rooms and open plan areas. Versatile power flue system makes for easy installation in almost any living space, including bedrooms.

The Evolve is best suited for a new build installation into a false (mock chimney).

Burn media

Choice of river stones or oak log set.

Convection fan

3-speed fan. Heat is distributed from the top of the appliance.

Data plate

Located inside the appliance, upper right hand side.

Gas connection

½" BSP, the gas supply terminates inside the heater—lower left hand side of the appliance.

Ignition

Continuous spark electronic ignition.

Installation considerations: Room size

The Evolve is not suitable for smaller rooms. This is due to the efficiency of the appliance. Smaller rooms will heat up quickly and once the set temperature has been reached the flame picture will reduce significantly (and in some cases reduce to pilot only). This is not ideal if customers want a full flame picture to be visible for the majority of time that the heater is on.

Noise level: 37-45 dB(A)

Power flue

Inner 50 mm, outer 70-80 mm. Appliance must be installed with a Rinnai flue system.

Power consumption and electrical supply

High	= 160 W
Standby	= <8 W

This heater has a 1.5 m power cord with a 3-pin plug supplied. The power cord passes through a slot in the back right hand corner of the appliance.

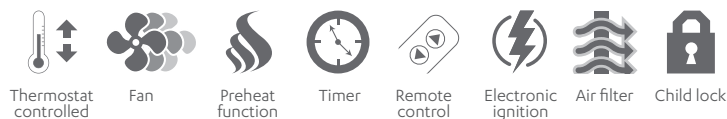
Safety devices

Flame failure sensing system, pressure relief, overheat safety switch, air temperature sensor, thermal fuse, overcurrent fuse, and spark detector.

Temperature control

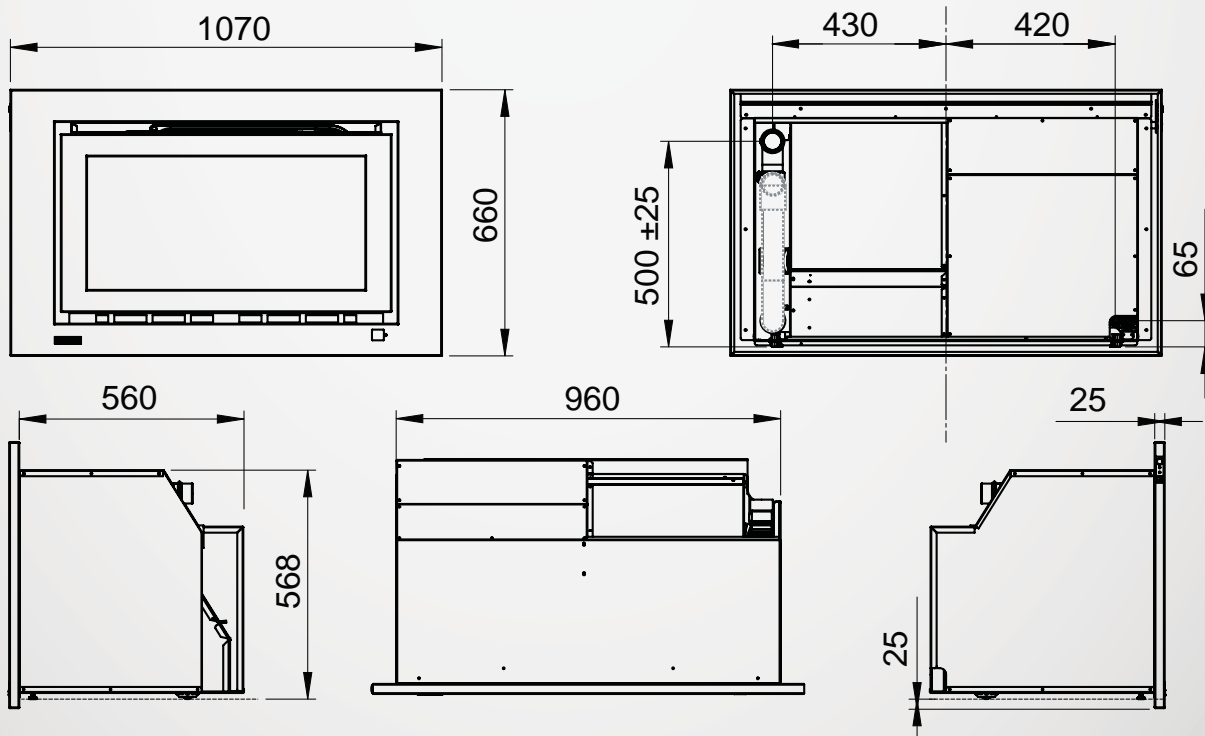
Thermostat control. Temperature control range 16-26 °C (low to high).

Weight - 75 kg



* Will vary according to gas type and flue configuration

** Will vary depending on geographical location in NZ



All dimensions are in mm.

Evolve 950[®] positioning

Framing dimensions

The main points governing location are flueing and warm air distribution. The Rinnai Evolve has an integrated zero clearance box that isolates the appliance from combustible materials. This means it can be installed directly into a decorative fireplace constructed from materials such as wood or plaster.

W-width	= 965-980 mm
H-height	= 570-580 mm
D-depth	= 570 mm minimum

Clearances from combustibles - measured from the edge of the glass

WHILE THE HEATER IS OPERATING

The appliance must not be installed where curtains or other combustible materials could come into contact with the heater. In some cases curtains may need restraining. The clearances are minimum clearances unless otherwise stated.

Above	= 400 mm (1000 mm to ceiling)
Sides	= 400 mm (includes side walls)
In front	= 1000 mm

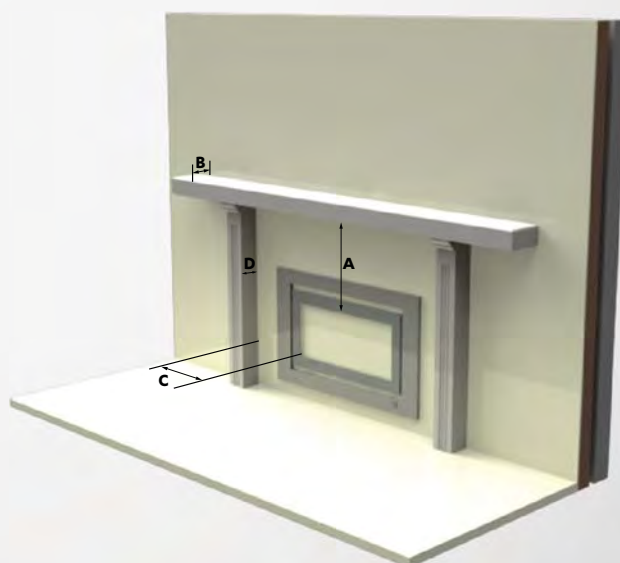
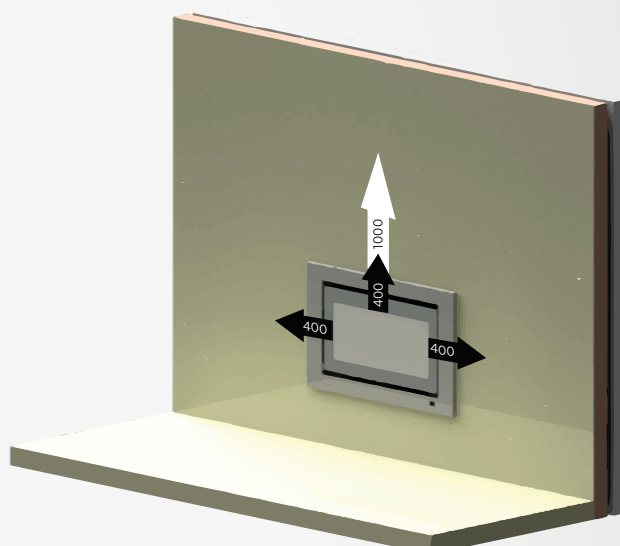
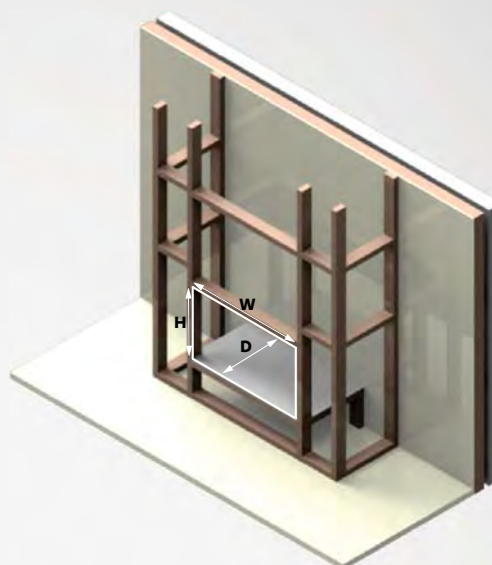
MANTELS AND SURROUNDS

Mantels and surrounds, made of combustible materials, are allowed providing they are outside the minimum clearances shown.

A	Mantel height from top of glass	400 mm min.
B	Mantel depth at A - 400 mm (vertical clearance)	250 mm max.

For every 50 mm of added mantel depth, there must be an additional 100 mm of vertical clearance. For example; a mantel depth (B) of 350 mm will require 600 mm (A) of vertical clearance.

C	Surround from side of glass	250 mm min.
D	Surround projection at C - 250 mm (side clearance)	250 mm max.



Evolve 950[®] burn media, frames and accessories



Oak log set

Code: R2781

Consists of eight realistic log pieces (designed to look like split logs) and two granule packs.



River stones

Code: R2780

Consists of 30 stones (10 white and 20 grey), and two granule packs.



Black on black frame

Code: R2770

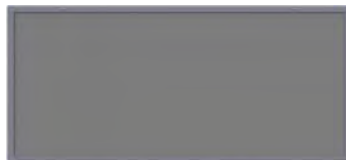
Black powder coated metal inner and outer frame.



Stainless steel on black frame

Code: R2771

Stainless steel inner frame, and black powder coated metal outer frame.



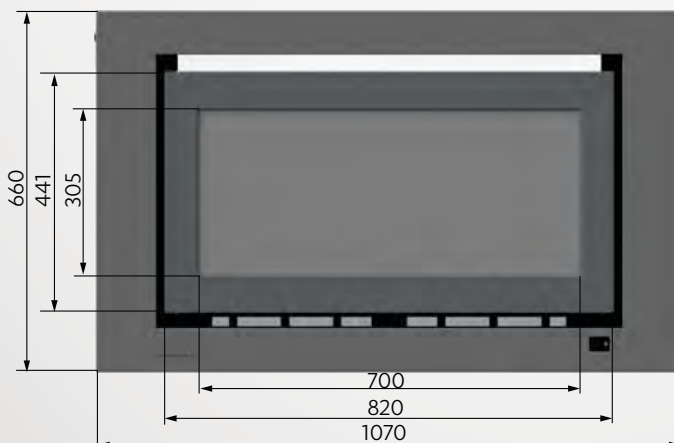
Mesh guard

Code: R2779

To protect little hands from touching the hot glass. The mesh itself is black and sits flush with the inner frame (inner frame holds it in place).

Additional notes

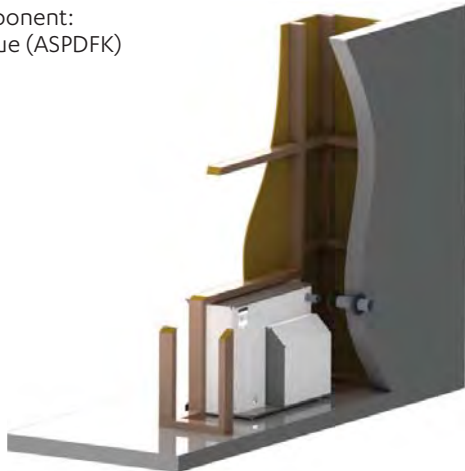
We often get enquiries about the inner and outer frame measurements. Below is a graphic that has the internal and external frame dimensions. The frame itself sits approximately 25 mm out from the wall, refer dimension diagram on p. 10.



Evolve 950[®] flueing options (most common)

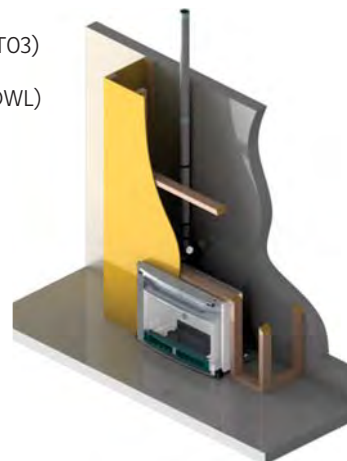
Direct

Flue component:
- Direct flue (ASPDFK)



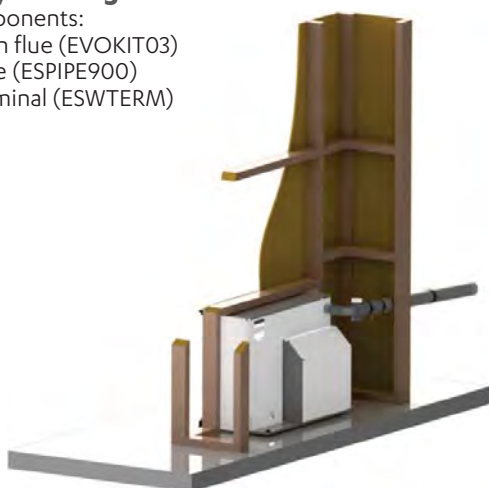
Vertical in-wall

Flue components:
- Adaption flue (EVOKIT03)
- Flue pipe (ESPIPE900)
- Roof cowl (ESROOFCOWL)



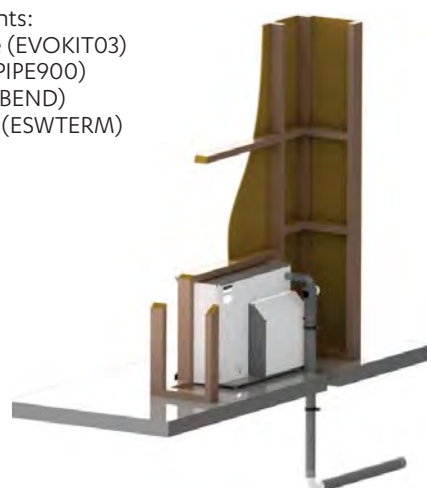
Sideways through-wall

Flue components:
- Adaption flue (EVOKIT03)
- Flue pipe (ESPIPE900)
- Wall terminal (ESWTERM)



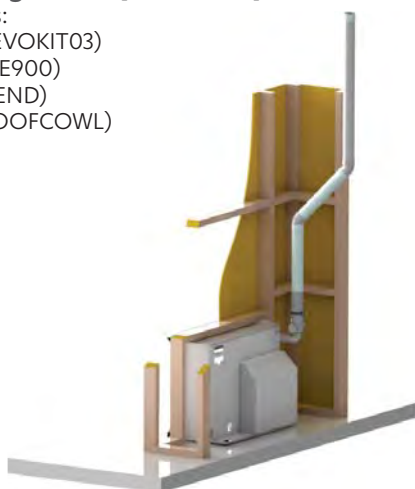
Down-and-out

Flue components:
- Adaption flue (EVOKIT03)
- Flue pipe (ESPIPE900)
- 90 ° bend (ESBEND)
- Wall terminal (ESWTERM)



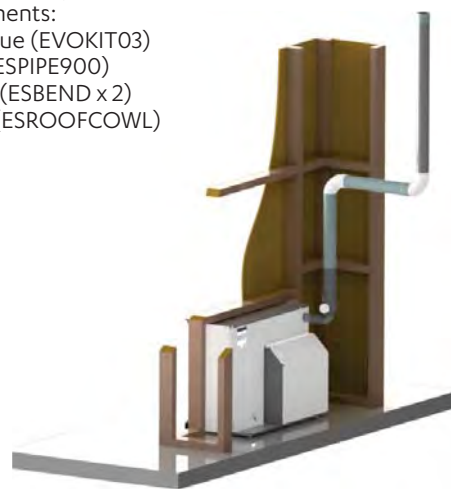
Vertical through-wall (45 ° bends)

Flue components:
- Adaption flue (EVOKIT03)
- Flue pipe (ESPIPE900)
- 45 ° bends (ESBEND)
- Roof cowl (ESROOFCOWL)



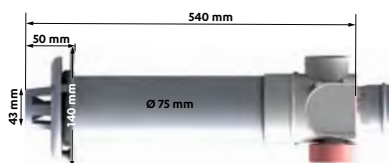
Vertical through-wall (90 ° bends)

Flue components:
- Adaption flue (EVOKIT03)
- Flue pipe (ESPIPE900)
- 90 ° bends (ESBEND x 2)
- Roof cowl (ESROOFCOWL)



Maximum flue length is 8.5 m. Maximum number of bends is three. One 90° bend equals 1 m. For every 90° bend the overall length must be reduced by 1 m. For example, if an installation has three 90° bends, the maximum flue length will be 5.5 m. EVOKIT03 is counted as one 90° bend.

Evolve 950[®] flue components



Direct flue kit

Code = ASPDFK (aluminium)

Suitable for walls up to 385 mm (can be cut to length).

Can also be used in combination with ESPIPE900 for longer flueing. Flue terminal section is reusable when making flue longer.

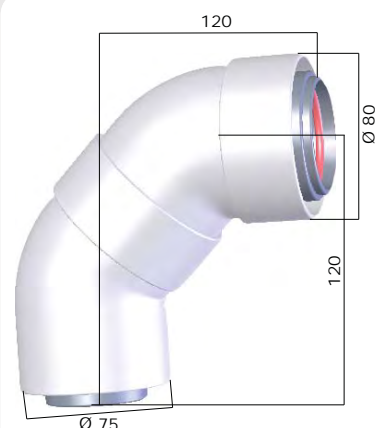


Evolve adaption flue kit

Code = EVOKIT03

Elbow section of this component (circled) requires a 25 mm clearance from combustibles, the rest is zero clearance.

Kit includes; flue transition (rotates), condensate trap, wall strap, drain tube (750 mm), silicone grease, and flue slide stopper (4822).



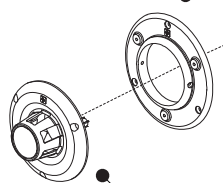
45° flue bends (x2)

Code = ESBEND

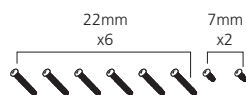
Two 45° bends used to facilitate between horizontal, vertical, and downwards flueing. Two spacers are included.

Can be used separately, or together as one 90° bend.

External wall plate



Flue terminal



Mounting/securing screws

Wall terminal kit

Code = ESWTERM

Used to terminate the ESPIPE900 in horizontal flue installations when used in conjunction with the EVOKIT03.

Contains:

- External wall plate (black PVC)
- Flue terminal (aluminium)



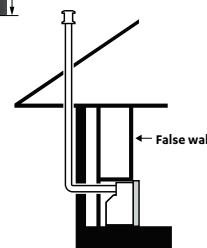
Ø 170 mm

Wall plate (black or white)

Code = ESPLATE

Used if an extra wall cover is required to tidy any installation through the wall, ceiling, or floor.

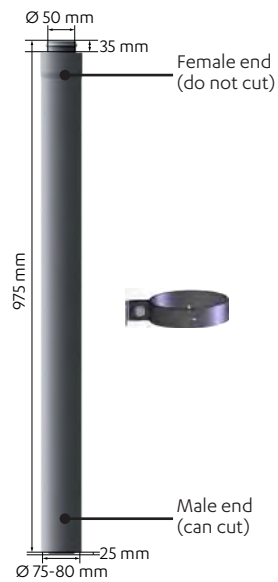
N.B: Currently in stock are two colours options. Please specify if a particular colour is required.



Condensate trap

Code = ESCONDK

Supplied with a 750 mm drain tube (not pictured). ONLY ordered as a separate item if doing a horizontal through-wall vertical flueing installation as shown above.



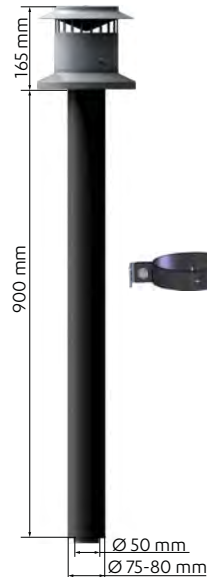
Coaxial flue pipe 900 mm

Code = ESPIPE900

Extension pipe used to construct horizontal, vertical, and downwards flueing. Can be cut to size.

Inner is aluminium, and outer is white PVC plastic.

Comes with one wall bracket, o-ring (4350), and spacer (4351).



Vertical terminal

Code = ESROOFCOWL

Roof cowl and connecting pipe for termination of a vertical flue—can be cut to size.

Galvanised steel, powder coated black.



Steel flue guard

Code = R1370

Protection against hot flue gases when the termination is low to the ground.

Colour - warm white.

Evolve 950[®] ordering guide

1. Select gas type (engine)



Evolve NG engine	RHFE950ETRN
Evolve LPG engine	RHFE950ETRL

Supplied with the engine is the remote control and batteries, remote control mounting bracket, screw pack, cable tie, frame mounting screws, and two granule packs

2. Select frame option



Black on black	R2770
Stainless steel on black	R2771

3. Select burn media



Oak log set	R2781
River stones	R2780

4. Select flue components



Direct flue kit	ASPDFK
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Adaption flue kit	EVOKIT03
-------------------	----------



Vertical terminal (roof cowl)	ESROOFCOWL
-------------------------------	------------



Flue pipe 900 mm	ESPIPE900
------------------	-----------



Wall terminal kit	ESWTERM
-------------------	---------



45° flue bends (two in a kit)	ESBEND
-------------------------------	--------



Wall plate	ESPLATE
------------	---------



Steel flue guard	R1370
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Condensate trap	ESCONDK
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Max. flue length is 8.5 m. Max. number of bends is three. One 90° bend equals 1 m. For every 90° bend the overall length must be reduced by 1 m. For example, if an installation has three 90° bends, the maximum flue length will be 5.5 m. EVOKIT03 is counted as one 90° bend.

The condensate trap is included with the EVOKIT03. It only needs to be ordered separately if you are doing a horizontal through-wall flueing combination (not common).

5. Select optional accessories



Black mesh guard	R2779
------------------	-------

Arriva 752 specification



Inbuilt exhaust balanced flued convection gas fire with electronic temperature control, timer and remote. Different frame and burn media options available.

Specification summary

Input	= 8-31.5 MJ/h
Output	= 1.8-7.0* kW
Efficiency	= 79-89%
Heating area	= 70-108 m ² **
Gas type	= NG or ULPG

Suitability

Ideal for living rooms and open plan areas. Versatile power flue system makes for easy installation in almost any living space, including bedrooms.

The Arriva is ideal for a new build installation into a false (mock) chimney, but can be fitted into an existing masonry fireplace if it is big enough.

Burn media

Choice of black pebbles or white quartz.

Convection fan

3-speed fan (high, medium, and low) radial blower fan. Heat is distributed from the bottom of the appliance.

Data plate

Inside appliance, upper right hand side (beside the convection fan).

Gas connection

½ " BSP male flare barrel union (lower right hand side of appliance).

Ignition

Continuous spark electronic ignition.

Installation considerations: Room size

The Arriva is not suitable for smaller rooms. This is due to the efficiency of the appliance. Smaller rooms will heat up quickly and once the set temperature has been reached the flame picture will reduce significantly. This is not ideal if customers want a full flame picture to be visible for the majority of time that the heater is on.

Noise level: 33-41 dB(A)

Power flue

Inner 50 mm, outer 70-80 mm. Appliance must be installed with a Rinnai flue system.

Power consumption and electrical supply

High	= 90 W
Low	= 60 W
Standby	= <8 W

This heater has a 1.5 m power cord with a 3-pin plug supplied. The standard electrical connection is to the right hand side of the appliance.

Safety devices

Flame failure sensing system, pressure relief, overheat safety switch, air temperature sensor, thermal fuse, overcurrent fuse, and spark detector.

Temperature control

Thermostat control. Temperature control range 16-26 °C (low to high).

Weight - 70 kg



Thermostat controlled



Fan



Preheat function



Timer



Remote control



Electronic ignition



Air filter

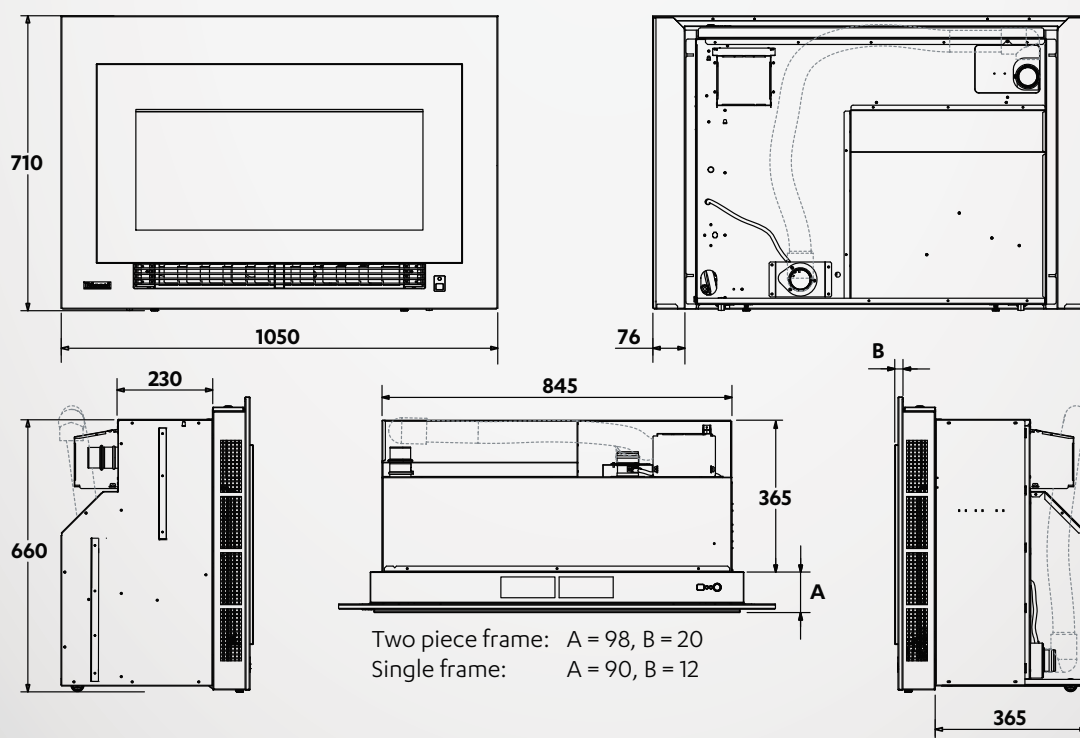


Child lock



* Will vary according to gas type and flue configuration

** Will vary depending on geographical location in NZ



Dimensions are in mm.

Arriva 750 specification



Inbuilt exhaust balanced flued convection gas fire with electronic temperature control, timer and remote. Different frame options available.

Specification summary

Input	= 8-31.5 MJ/h
Output	= 1.8-7.0* kW
Efficiency	= 79-89%
Heating area	= 70-108 m ² **
Gas type	= NG or ULPG

Suitability

Ideal for living rooms and open plan areas. Versatile power flue system makes for easy installation in almost any living space, including bedrooms.

The Arriva is ideal for a new build installation into a false (mock) chimney, but can be fitted into an existing masonry fireplace if it is big enough.

Burn media

Log set comes as standard.

Convection fan

3-speed fan (high, medium, and low) radial blower fan. Heat is distributed from the bottom of the appliance.

Data plate

Inside appliance, upper right hand side (beside the convection fan).

Gas connection

½" BSP male flare barrel union (lower right hand side of appliance).

Ignition

Continuous spark electronic ignition.

Installation considerations: Room size

The Arriva is not suitable for smaller rooms. This is due to the efficiency of the appliance. Smaller rooms will heat up quickly and once the set temperature has been reached the flame picture will reduce significantly (and in some cases reduce to pilot only). This is not ideal if customers want a full flame picture to be visible for the majority of time that the heater is on.

Noise level: 33-41 dB(A)

Power flue

Inner 50 mm, outer 70-80 mm. Appliance must be installed with a Rinnai flue system.

Power consumption and electrical supply

High	= 90 W
Low	= 60 W
Standby	= 10 W

This heater has a 1.5 m power cord with a 3-pin plug supplied. The standard electrical connection is to the right hand side of the appliance.

Safety devices

Flame failure sensing system, pressure relief, overheat safety switch, air temperature sensor, thermal fuse, overcurrent fuse, and spark detector.

Temperature control

Thermostat control. Temperature control range 16-26 °C (low to high).

Weight - 70 kg



Thermostat controlled



Fan



Preheat function



Timer



Remote control



Electronic ignition



Air filter

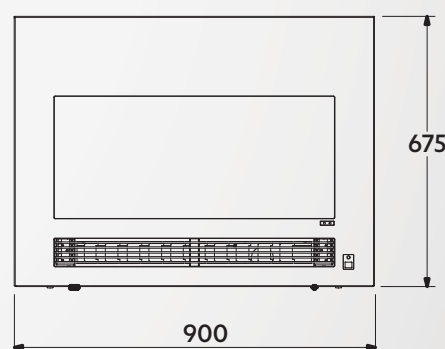
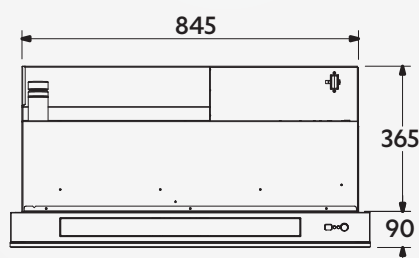
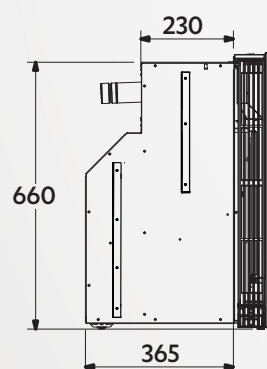


Child lock



* Will vary according to gas type and flue configuration

** Will vary depending on geographical location in NZ



All dimensions are in mm.

Arriva 750/752 frames and burn media options

Arriva 750 (Arriva 750 frames cannot be used on the Arriva 752)



750 satin black classic frame

Code: R2700

A classic square style in matt black steel.



750 stainless shine frame

Code: R2701

A cool modernist look in stainless steel.

Arriva 752 (Arriva 752 frames and burn media cannot be used on the Arriva 750)



752 flat black frame

Code: R2711

Single continuous flat black frame.



752 flat stainless frame

Code: R2712

Single continuous flat stainless steel frame.



752 stainless on black frame

Code: R2713

Stainless steel inner on black outer frame. Supplied in two pieces (inner and outer).



752 black on black frame

Code: R2714

Black inner on black outer frame. Supplied in two pieces (inner and outer).



752 stainless/stainless frame

Code: R2715

Stainless steel inner on stainless steel outer. Supplied in two pieces (inner and outer).



752 black on stainless frame

Code: R2716

Black inner on stainless steel outer. Supplied in two pieces (inner and outer).



752 black pebbles

Code: R2740

Black glass pebbles for the Arriva 752.



752 white quartz

Code: R2741

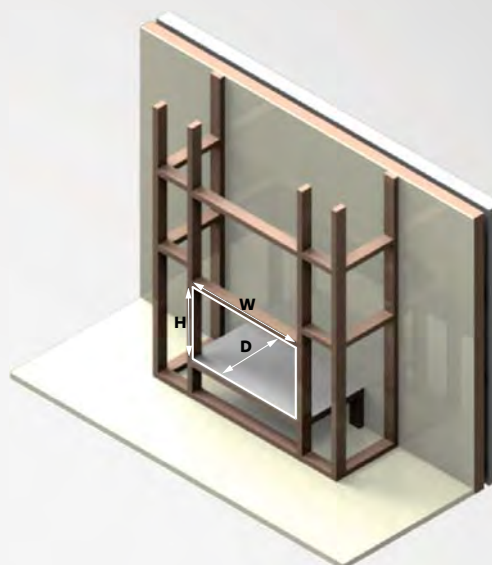
Large and small white quartz stones for the Arriva 752.

Arriva 750/752 positioning

Framing dimensions

The main points governing location are flueing and warm air distribution. The Arriva has an integrated zero clearance box that isolates the appliance from combustible materials. This means it can be installed directly into a decorative fireplace constructed from materials such as wood or plaster.

W-width	= 850-860 mm
H-height	= 660-665 mm
D-depth	= 380 mm direct flue
	= 475 mm extended flue
	= 500 mm underfloor flue

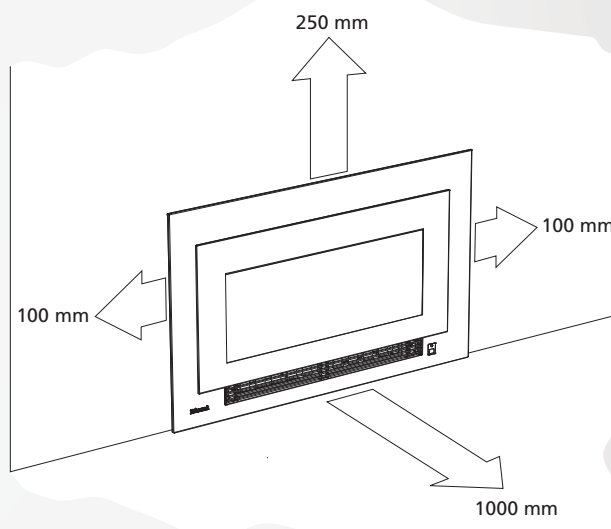


Clearances from combustibles - measured from the edge of the frame

WHILE THE HEATER IS OPERATING

The appliance must not be installed where curtains or other combustible materials could come into contact with the heater. In some cases curtains may need restraining. The clearances are minimum clearances unless otherwise stated.

Above	= 250 mm
Sides	= 100 mm
In front	= 1000 mm



MANTELS AND SURROUNDS

The Arriva models, due to their unique bottom air discharge, have greatly reduced mantel and surround clearances. The minimum clearance above and to the side is 75 mm from the edge of the frame. These clearances are important as they:

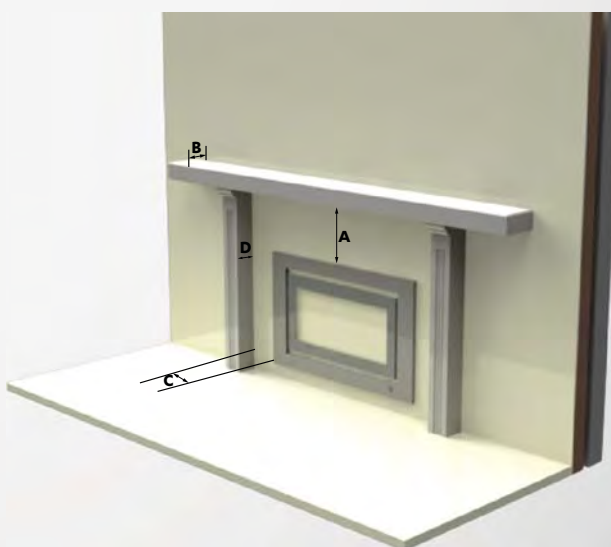
- allow heat to escape in the event of a power failure during operation
- allow optimum performance of the heater (room air return)
- allow access to the side mesh filters

A	Mantel height from edge of frame	75 mm min.
B	Mantel depth at A - 75 mm (vertical clearance)	25 mm max.

For every 25 mm of added mantel depth, there must be an additional 25 mm of vertical clearance. For example; a mantel depth (B) of 50 mm will require 100 mm (A) of vertical clearance.

C	Surround from edge of frame	75 mm min.
D	Surround projection at C - 75 mm (side clearance)	25 mm max.

For every 25 mm of added surround projection there must be an additional 25 mm of side clearance. For example; a surround projection of 75 mm will require a side clearance of 125 mm.

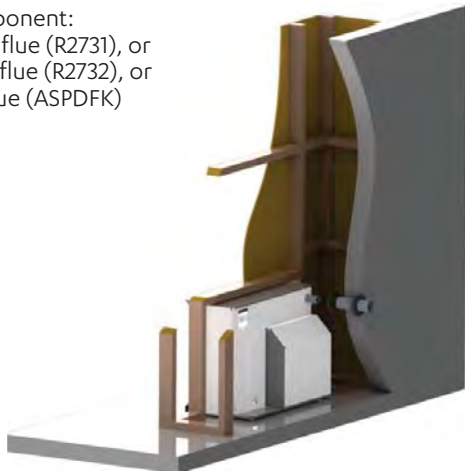


Arriva 750/752 flueing options (most common)

Direct

Flue component:

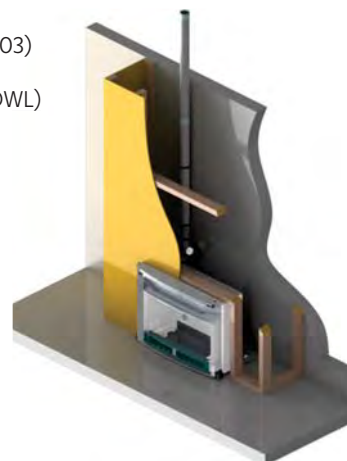
- Direct A flue (R2731), or
- Direct B flue (R2732), or
- Direct flue (ASPDFK)



Vertical in-wall

Flue components:

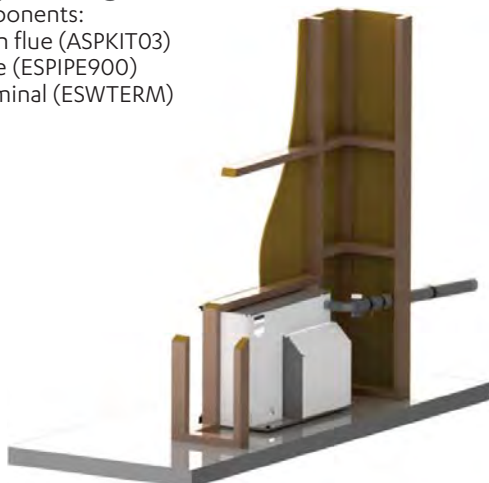
- Adaption flue (ASPKIT03)
- Flue pipe (ESPIPE900)
- Roof cowl (ESROOFCOWL)



Sideways through-wall

Flue components:

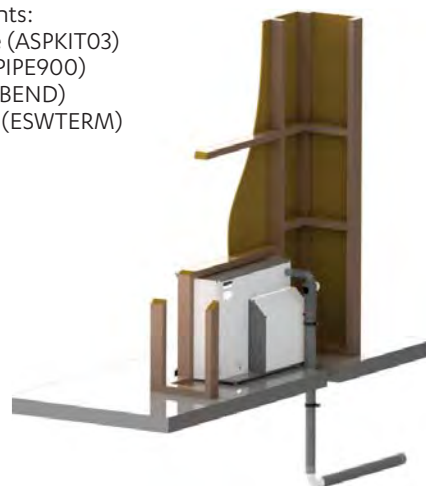
- Adaption flue (ASPKIT03)
- Flue pipe (ESPIPE900)
- Wall terminal (ESWTERM)



Down-and-out

Flue components:

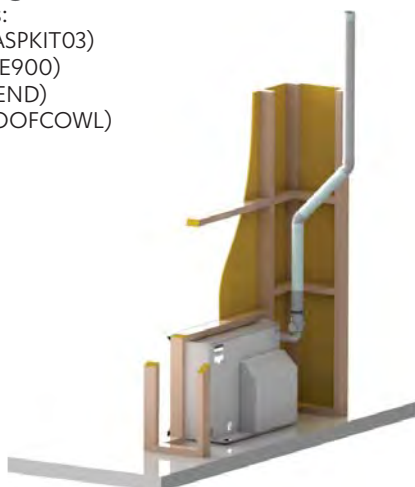
- Adaption flue (ASPKIT03)
- Flue pipe (ESPIPE900)
- 90 ° bend (ESBEND)
- Wall terminal (ESWTERM)



Vertical through-wall (45 ° bends)

Flue components:

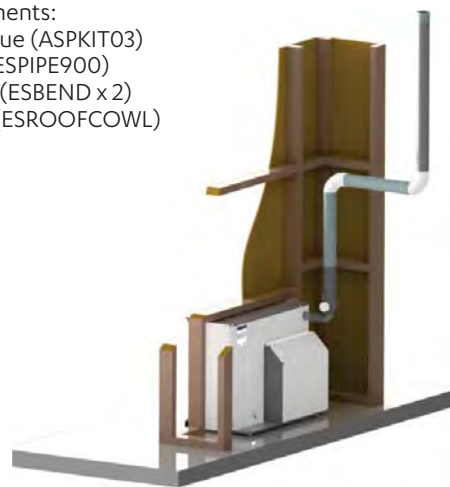
- Adaption flue (ASPKIT03)
- Flue pipe (ESPIPE900)
- 45 ° bends (ESBEND)
- Roof cowl (ESROOFCOWL)



Vertical through-wall (90 ° bends)

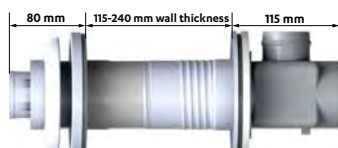
Flue components:

- Adaption flue (ASPKIT03)
- Flue pipe (ESPIPE900)
- 90 ° bends (ESBEND x 2)
- Roof cowl (ESROOFCOWL)



Maximum flue length is 8.5 m. Maximum number of bends is three. One 90° bend equals 1 m. For every 90° bend the overall length must be reduced by 1 m. For example, if an installation has three 90° bends, the maximum flue length will be 5.5 m. ASPKIT03 is counted as one 90° bend.

Arriva 750/752 flue components



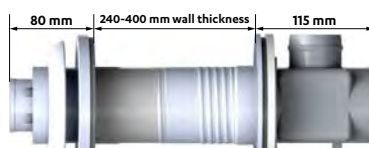
Outside wall terminal diameter - 140 mm

Direct A flue kit

Code = R2731 (stainless steel)

Mushroom flue kit for use in walls 115-240 mm thick—typically weatherboard construction (can be cut to size). This is a complete kit, no other components are required.

- Inbuilt 2° fall to drain condensate



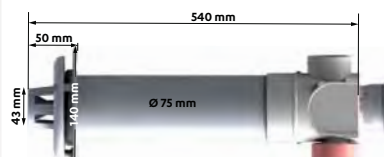
Outside wall terminal diameter - 140 mm

Direct B flue kit

Code = R2732 (stainless steel)

Mushroom flue kit for use in walls 240-400 mm thick—typically block construction (can be cut to size). This is a complete kit, no other components are required.

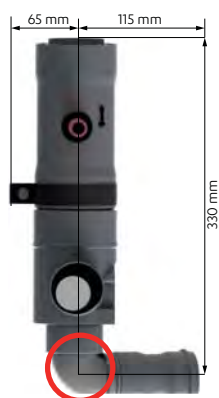
- Inbuilt 2° fall to drain condensate



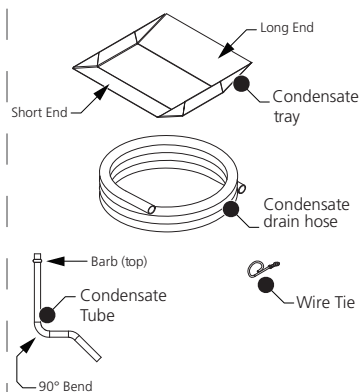
Direct flue kit

Code = ASPDFK (aluminium)

Can be used as an alternative to R2731/R2732, and is suitable for walls up to 385 mm (can be cut to length). Can also be used in combination with ESPIPE900 for longer flueing. Flue terminal section is reusable when making flue longer.



R1970



Arriva adaption flue kit

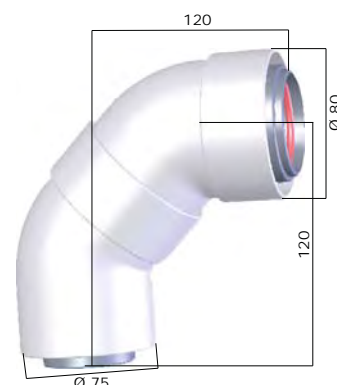
Code = ASPKIT03

Elbow section of this component (circled) requires a 25 mm clearance from combustibles, the rest is zero clearance.

Kit includes:

- Flue transition (rotates round)
- Condensate trap
- Wall strap
- Drain tube (750 mm)
- Silicone grease
- Flue slide stopper (4822)
- R1970 sub-kit

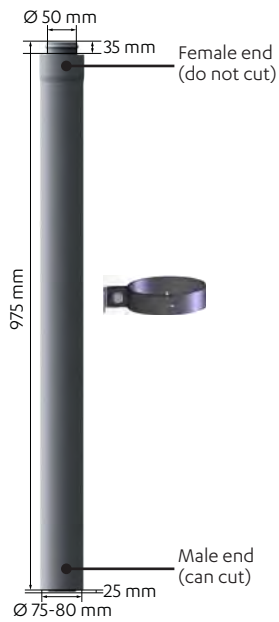
R1970 is a sub-kit called the condensate drain kit. This is used for installations that requires draining of condensate back into the heater.



45° flue bends (x 2)

Code = ESBEND

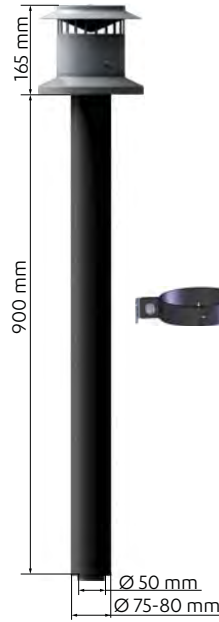
Two 45° bends used to facilitate between horizontal, vertical, and downwards flueing. Two spacers are included. Can be used separately, or together as one 90° bend.



Coaxial flue pipe 900 mm

Code = ESPIPE900

Extension pipe used to construct horizontal, vertical, and downwards flueing. Can be cut to size. Inner is aluminium, and outer is white PVC plastic. Comes with one wall bracket, o-ring (4350), and spacer (4351).

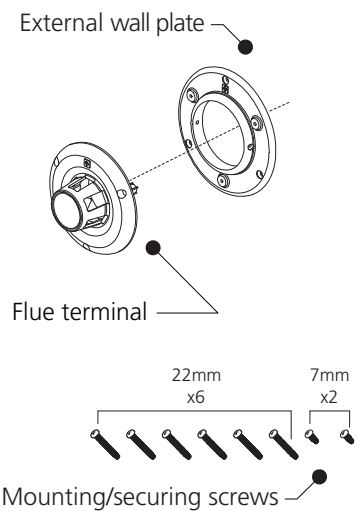


Vertical terminal

Code = ESROOFCOWL

Roof cowl and connecting pipe for termination of a vertical flue—can be cut to size.

Galvanised steel powder coated black.



Wall terminal kit

Code = ESWTERM

Used to terminate the ESPIPE900 in horizontal flue installations when used in conjunction with the EVOKIT03.

Contains:

- External wall plate (black PVC)
- Flue terminal (aluminium)



Steel flue guard

Code = R1370

Protection against hot flue gases when the termination is low to the ground.

Colour - warm white.



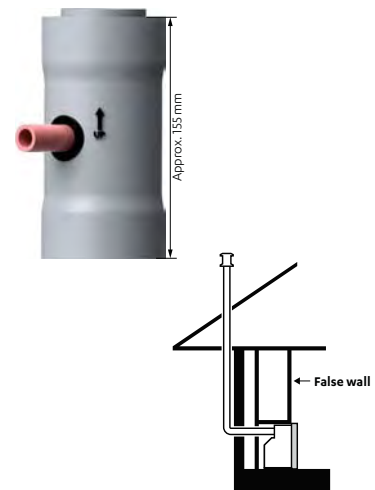
Ø 170 mm

Wall plate (black or white)

Code = ESPLATE

Used if an extra wall cover is required to tidy any installation through the wall, ceiling, or floor.

N.B: Currently in stock are two colours options. Please specify if a particular colour is required.



Condensate trap

Code = ESCONDK

Supplied with a 750 mm drain tube (not pictured). ONLY ordered as a separate item if doing a horizontal through-wall vertical flueing installation.

Arriva 752 ordering guide

1. Select gas type (engine)



Arriva 752 NG engine

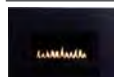
RHFE752ETRN

Arriva 752 LPG engine

RHFE752ETRL

Supplied with the engine is the remote control and batteries, remote control mounting bracket, screw pack, cable tie, frame mounting screws, gas connection, and flue clamp bracket (for direct A/B flues).

2. Select frame option



Arriva 752 flat black frame

R2711*



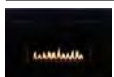
Arriva 752 flat stainless frame

R2712*



Arriva 752 stainless on black frame

R2713**



Arriva 752 black on black frame

R2714**



Arriva 752 stainless/stainless frame

R2715**



Arriva 752 black on stainless frame

R2716**

* The flat frames (R2711/R2712) are supplied as a single frame.

** Supplied in two pieces—inner frame and outer frame

3. Select burn media



Arriva 752 black pebbles

R2740



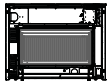
Arriva 752 white quartz

R2741

4. Select flue components—refer next page

Arriva 750 ordering guide

1. Select gas type (engine)



Arriva 750 NG engine

RHF750ETRN

Arriva 750 LPG engine

RHFE750ETRL

Supplied with the engine is the remote control and batteries, remote control mounting bracket, screw pack, cable tie, frame mounting screws, gas connection, flue clamp bracket (for direct A/B flues), and log set.

2. Select frame option



Arriva 750 classic frame (matt black)

R2700

Arriva 750 shine frame (stainless steel)

R2701

3. Select flue components



Direct A flue kit (walls 115-240 mm)

R2731



Direct B flue kit (walls 240-400 mm)

R2732



Direct flue kit (walls up to 385 mm)

ASPDFK



Adaption flue kit

ASPKIT03



Vertical terminal (roof cowl)

ESROOFCOWL



Flue pipe 900 mm

ESPIPE900



Wall terminal kit

ESWTERM



45° flue bends (two in a kit)

ESBEND



Wall plate

ESPLATE



Steel flue guard

R1370



Condensate trap

ESCONDK

Max. flue length is 8.5 m. Max. number of bends is three. One 90° bend equals 1 m. For every 90° bend the overall length must be reduced by 1 m. For example, if an installation has three 90° bends, the maximum flue length will be 5.5 m. ASPKIT03 is counted as one 90° bend.

The condensate trap is included with the ASPKIT03. It only needs to be ordered separately if you are doing a horizontal through-wall flueing combination (not common).

Symmetry RDV3611 specification



A direct vent (natural draft) inbuilt gas fire with a glass front and convection fan. Operated with a remote control (7-day programmable timer). Different frame options available.

Specification summary

Input	= 19-33 MJ/h
Output	= 3.8-7.5 kW
Efficiency	= 80%
Heating area	= 62-101 m ² *
Gas type	= NG or ULPG

Suitability

Suitable for living rooms and open plan areas.

Recommended for a new build installation into a false (mock) chimney. It is not suitable for retrofitting into an existing masonry fireplace.

Burn media

Driftwood log set comes as standard.

Convection fan

Fan forced 2-speed convection fan (low and high). Heat is distributed from the top of the appliance.

Data plate

Centre front of base panel (behind the service panels).

Gas connection

½" BSP male flare. This connects straight into the gas control on the lower left hand side.

Ignition

Integrated sparkler to pilot.

Installation considerations

Maximum flue height is 5.4 m.

Room size—smaller rooms will heat up quickly, and due to the efficiency of the appliance, the heater will turn off once the set temperature has been reached.

Noise level: 37-45 dB(A)

Flue

Inner 100 mm, outer 170 mm. Appliance must be installed with a Rinnai flue system.

Power consumption and electrical supply

High	= 50 W
Standby	= < 1 W

This heater has a 1.5 m power cord with a 3-pin plug supplied. The standard electrical connection is to the right hand side of the appliance.

Safety devices

Light to pilot, delayed ignition, overheat switch, electronic flame failure supervision, and combustion chamber relief.

Temperature control

Thermostat control. Temperature control range 7-32 °C.

The lower temperature range is for cooler climates where the room temperature could fall below 7 °C.

Weight - 60 kg



Thermostat controlled



Fan



Timer



Remote control



Electronic ignition

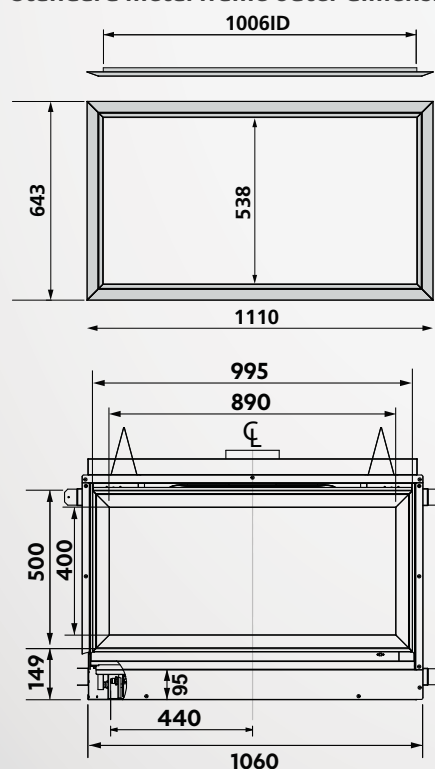


Child lock

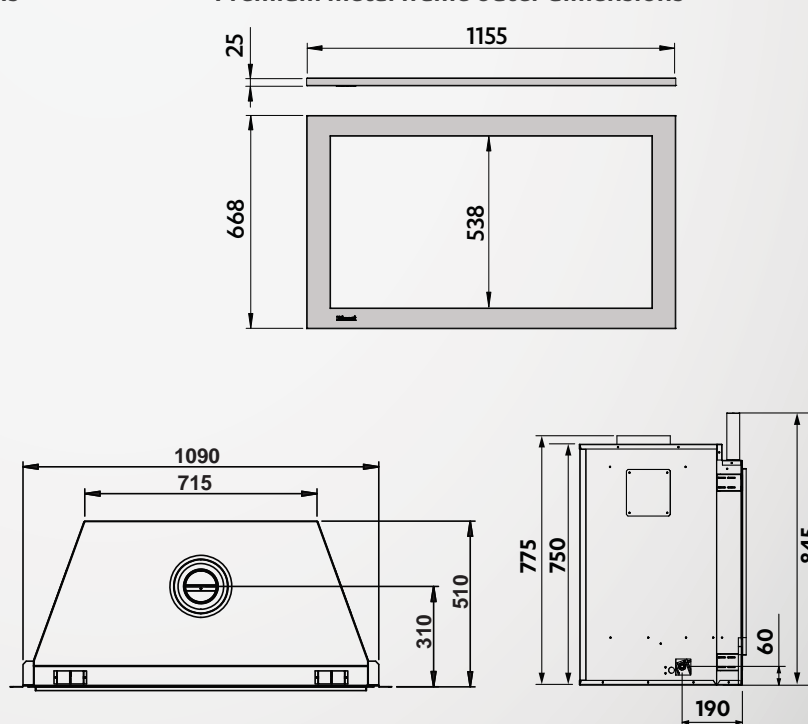


* Will vary depending on geographical location in NZ

Standard metal frame outer dimensions



Premium metal frame outer dimensions



All dimensions are in mm.

Symmetry RDV3611 positioning

Framing dimensions

The main points governing location are flueing and warm air distribution. The Symmetry has an integrated zero clearance box that isolates the appliance from combustible materials. This means it can be installed directly into a decorative fireplace constructed from materials such as wood or plaster.

250 MM SIDE CLEARANCE

If installing the Symmetry Heat Transfer Kit allow an additional side clearance of 250 mm (per kit). This clearance is required to ensure the ducting does not come into contact with the fire.

CORNER INSTALLATIONS

The diagram highlights the minimum dimensions required if using the width, height, and depth of the framing dimensions shown above it.

Clearances from combustibles - measured from the edge of the glass

WHILE THE HEATER IS OPERATING

The appliance must not be installed where curtains or other combustible materials could come into contact with the heater. In some cases curtains may need restraining. The clearances are minimum clearances unless otherwise stated.

The 400 mm side clearance includes side walls.

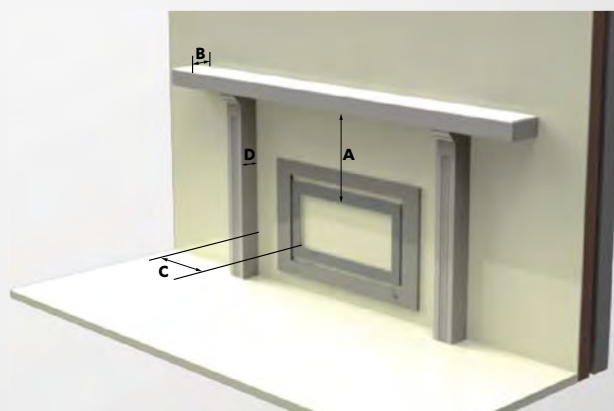
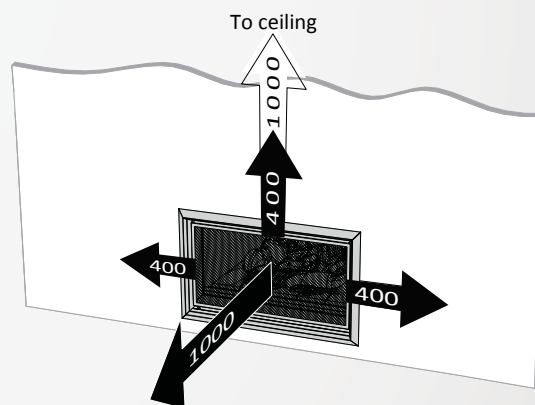
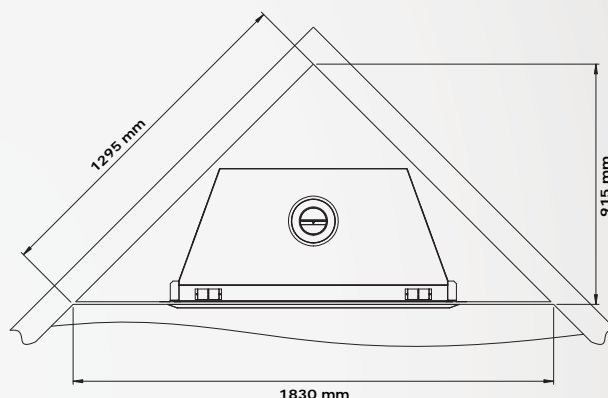
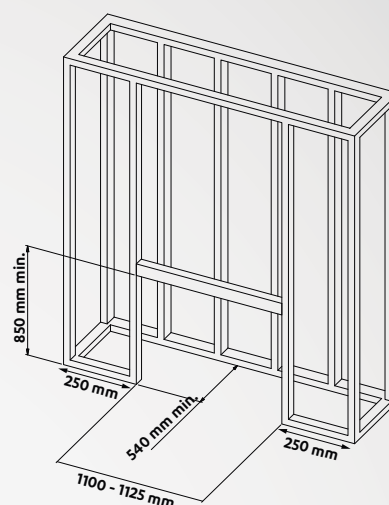
MANTELS AND SURROUNDS

Mantels and surrounds, made of combustible materials, are allowed provided they are outside the minimum clearances shown.

A	Mantel height from top of glass	400 mm min.
B	Mantel depth at A - 400 mm (vertical clearance)	250 mm max.

For every 50 mm of added mantel depth, there must be an additional 100 mm of vertical clearance. For example; a mantel depth (B) of 350 mm will require 600 mm (A) of vertical clearance.

C	Surround from side of glass	250 mm min.
D	Surround projection at C - 250 mm (side clearance)	250 mm max.



Symmetry RDV3611 frames and accessories



Black frame kit

Code: R3601GL

Black inner and outer metal frame.



Satin chrome frame kit

Code: R3601SC

Satin chrome inner and outer metal frame.



Black on black premium flat frame kit

Code: R3602

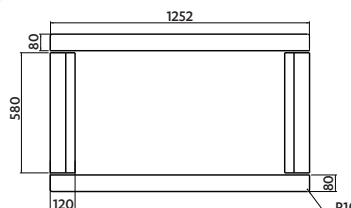
Flat black inner and outer metal frame.



Stainless on black premium flat frame kit

Code: R3603

Flat stainless steel inner, and black outer metal frame.



Granite frame kit

Code: R3620

Black granite surround. Supplied in four pieces. Kit includes the black inner frame.



Inner frames only

Codes:
Black inner = 13621GL
Satin chrome inner= 13621SC

Inner frame for frameless installations.



Symmetry dress guard

Code: R3610GL

Black integrated mesh, designed to click into place over the fire—to prevent from touching the surface of the hot glass.



Reflective side panel kit

Codes:
Brushed stainless = R3617
Mirrored finish = R3618

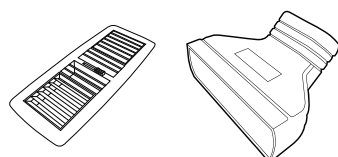
Enhances the flame picture of the fire (fitted when fire is installed).



Heat transfer kit 9 m

Code: R3626

Transfers up to 1 kW of heat to one additional room—one kit per room.



Ducting floor grill

Code: R3627

For installations where heat is being transferred through the floor—ordered in addition to the 9 m kit.

Heat transfer kit - additional notes

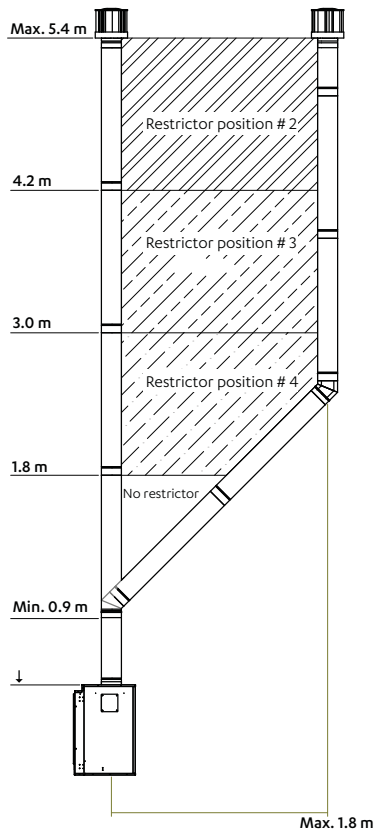
Maximum of two kits can be connected to the unit. Grill provided in the kit is a ceiling grill.

- Ceiling outlet: 160 x 160 mm
- Ducting: inner diameter 150 mm, outer diameter 200 mm
- Hanging chain for fan: Length is 2 m

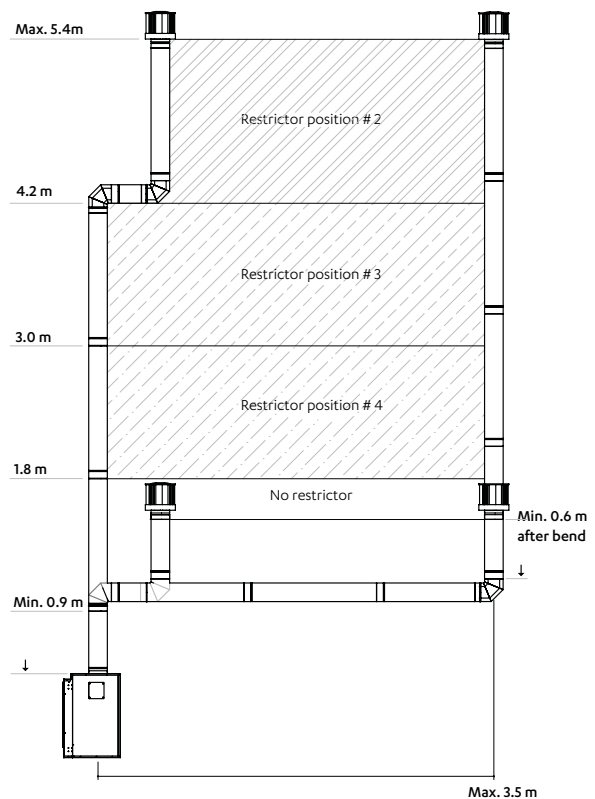
If heat is being transferred through a floor grill instead of a ceiling outlet the floor grill will need to be ordered in addition to the heat transfer kit.

Symmetry RDV3611 flueing options (most common)

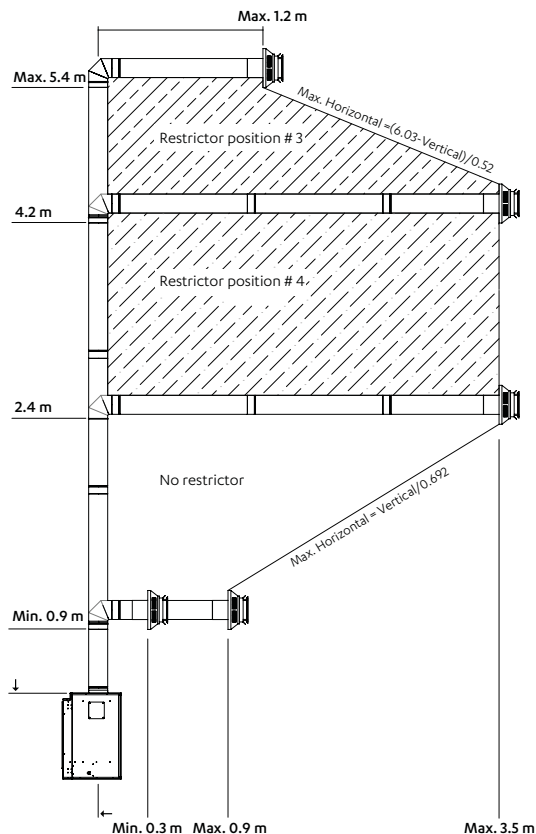
Vertical termination with 45° bends



Vertical termination with 90° bends



Horizontal termination with a 90° bend



Maximum number of bends

- Vertical termination with 45° bends - two
- Vertical termination with 90° bends - two
- Horizontal termination - one 90° bend

Inner flue clearance to combustibles

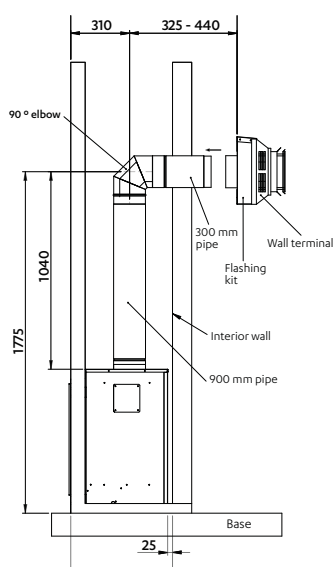
Minimum clearance from the inner flue to a combustible material must be greater than 25 mm.

Horizontal runs of flue pipe

Horizontal pipe sections should be supported at least every 1.2 m. Wall straps can be used for this purpose.

The horizontal run of flue pipe **MUST HAVE** a rise of 20 mm for every 1 m towards the flue terminal. Never allow the horizontal pipe to run down towards the flue terminal—potential fire hazard due to heat becoming trapped in the flue.

Symmetry RDV3611 flue kits and components

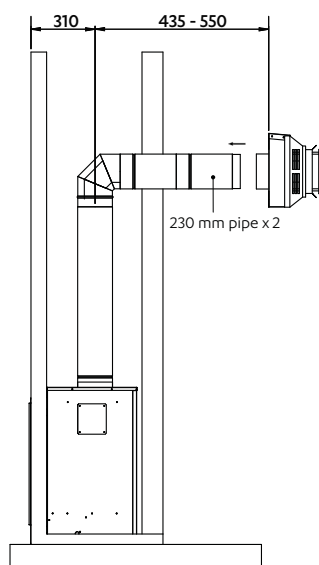


Flue kit horiz. short - A

Code = R3660

RDV3611 short horizontal flue kit—635-750 mm frame to outside wall.

Contains; flue pipe 900 mm, elbow 90°, flue pipe 300 mm, horizontal flashing kit, and wall terminal.

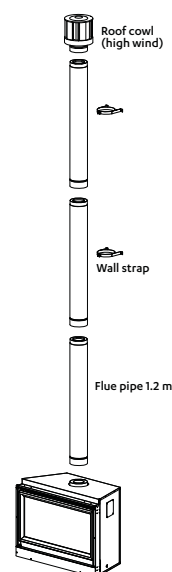


Flue kit horiz. long - B

Code = R3661

RDV3611 long horizontal flue kit—745-860 mm frame to outside wall.

Contains; flue pipe 900 mm, elbow 90°, flue pipe 230 mm (x2), horizontal flashing kit, and wall terminal.



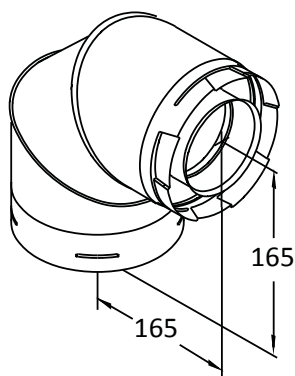
Flue kit vertical 3.6 m

Code = R3665

RDV3611 3.6 m vertical flue kit.

Contains:

- Flue pipe 1.2 m (x3)
- Wall straps (x2)
- Roof cowl



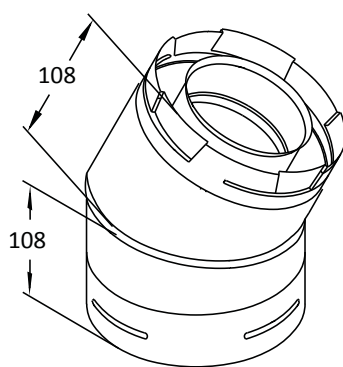
RDV3611 flue elbow 90°

Code = R3643

Used to facilitate vertical and horizontal flueing. Elbow swivels 360° at base. Angle not adjustable.

Once joined effective length reduces 35 mm to approximately 130 mm.

Inner: aluminium
Outer: galvanised



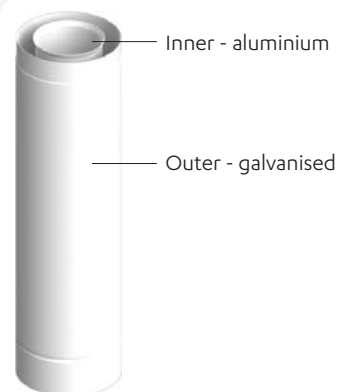
RDV3611 flue elbow 45° (x2)

Code = R3642

Offsets obstructions. Elbow swivels 360° at base. Angle not adjustable. Kit contains two 45° bends.

Once joined effective length reduces 35 mm to approximately 73 mm.

Inner: aluminium
Outer: galvanised

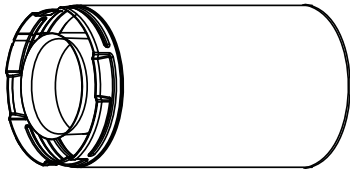


RDV3611 flue pipes

Codes:

- 150 mm = R3630
- 230 mm = R3631
- 300 mm = R3632
- 450 mm = R3633
- 600 mm = R3634
- 900 mm = R3635
- 1.2 m = R3636

Pipe used to construct horizontal and vertical flueing. Cannot be cut to size. Once joined nominal length reduces approx. 35 mm.



Flue extension

Codes:
 75-175 mm = R3638
 75-360 mm = R3639

Used for extended straight lengths of flue. Available in two lengths—extending to 175 mm or 360 mm.

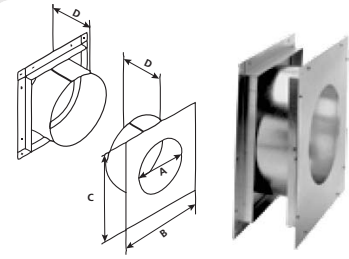
Inner: aluminium
 Outer: galvanised



Elbow strap

Code = R3644

Flue support for elbow and offsets.

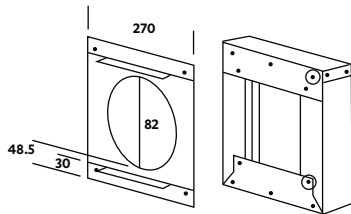


Thru-wall plate interior

Code = R3645

Interior through-wall plate—centres flue and ensures suitable clearances from combustibles.

A = 171.5 mm B = 279.4 mm,
 C = 304.8 mm D = 101.6 mm.



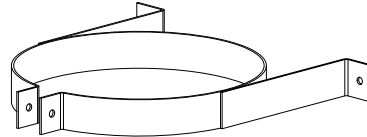
11716 - Flashing Collar

11715 - Flashing Box

Horizontal flashing kit

Code = R3646

Flashing components used to join the internal flue to the outside flue—to provide a weathertight seal in horizontal flue installations. Refer Horizontal Wall Terminal for installed dimensions.

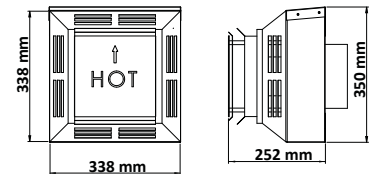


Wall strap

Code = R3647

Adjustable strap used in interior/ exterior installations to add lateral support to the flue.

Provides a 50-200mm clearance to combustible walls.

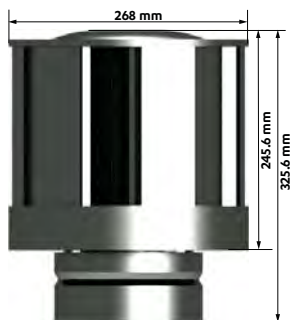


Horizontal wall terminal

Code = R3650

Aluminium flue terminal required for all horizontal installations.

Side profile image shows dimensions with the horizontal flashing kit added.



Roof cowl

Code = R3651

Aluminium flue terminal required for all vertical flue installations.



Flue restrictor

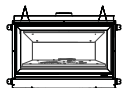
Code = 11516

Supplied with the unit.

Maintains efficiency by restricting air flow through the unit as flue length and flue pull increases.

Symmetry RDV3611 ordering guide

1. Select gas type (engine)



Symmetry RDV3611 NG engine	RDV3611ETRN
Symmetry RDV3611 LPG engine	RDV3611ETRL

Supplied with the engine is the remote control and batteries, remote control mounting bracket, lintel spacers, securing bracket and screws, flue restrictor, frame mounting screws, and log set.

2. Select frame option



Black inner and outer frame R3601GL



Satin chrome inner and outer frame R3601SC



Premium flat frame - black on black R3602



Premium flat frame - stainless on black R3603



Granite surround with black inner frame R3620



Black inner frame 13621GL* (for frameless installations)



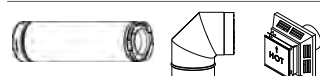
Satin chrome inner frame 13621SC* (for frameless installations)

* Only ordered if you are doing a frameless installation. Currently we do not sell the premium inner flat frame as an option. This would need to be ordered as a spare part—contact Customer Services for more information.

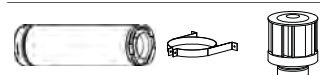
3. Select flue kit and/or individual flue components



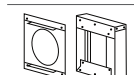
Flue kit horizontal short - A (635-750 mm frame to outside wall) R3660 (flue pipe: 900 mm, 300 mm)



Flue kit horizontal long - B (745-860 mm frame to outside wall) R3661 (flue pipe: 900 mm, 230 mm x 2)



Flue kit vertical 3.6 m R3665 (flue pipes, cowl, and wall straps)



Horizontal flashing kit R3646 (flue collar and flashing box)



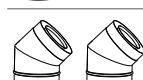
Wall terminal R3650







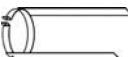
Roof cowl R3651







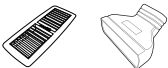
Flue elbow 90° R3643



Flue elbow 45° (two in a kit) R3642

	Flue pipe 150 mm	R3630	Cannot be cut to size. Once joined length reduces by approximately 35 mm.
	Flue pipe 230 mm	R3631	
	Flue pipe 300 mm	R3632	
	Flue pipe 450 mm	R3633	
	Flue pipe 600 mm	R3634	
	Flue pipe 900 mm	R3635	
	Flue pipe 1.2 m	R3636	
	Flue extension 75-175 mm	R3638	
	Flue extension 75-360 mm	R3639	
	Thru-wall plate interior	R3645	
	Wall strap	R3647	
	Elbow strap	R3644	

4. Select optional accessories

	Black mesh dress guard	R3610GL	
	Reflective side panel kit - brushed stainless steel	R3617	
	Reflective side panel kit - mirrored finish	R3618	
	Ducting kit 9 m (one kit per room)	R3626	
	Ducting floor grill (and transition boot)	R3627	

Neo Inbuilt/Premium Classic specification



Burning log effect inbuilt gas fire with glass front and convection fan. Different frame options available.

Choose from either the ETR model, lets you preset the warmth to come on at any time, or the manual control model for push button operation.

Specification summary

Input	= 14-30 MJ/h*
Output	= 2.98-6.94 kW*
Efficiency	= 80%
Heating area	= 69-107 m ² **
Gas type	= NG or ULPG

Suitability

Suitable for masonry installations and installations into a mock (false chimney). Ideally suited to living rooms and open plan areas.

Burn media

Driftwood log set comes as standard.

Convection fan

Fan forced 2-speed convection fan (low and high). Heat is distributed from the top of the appliance.

Data plate

Inside appliance on the front left hand side.

Gas connection

½ " BSPT. The gas supply terminates inside the heater at the lower front right hand side of the appliance.

Ignition

Continuous spark electronic ignition.

Installation considerations

The Neo draws air for combustion from the room. Adequate ventilation must be calculated and provided by the gasfitter, as per AS/NZS 5601.1

Noise level: 37-45 dB(A)

Flue: Masonry

Rinnai recommends the use of a Rinnai flexiliner flue system (Ø 100 mm).

Flue: Mock chimney

Natural draft flue. Inner 100 mm, outer 150 mm. Appliance must be installed with a Rinnai flue system.

Power consumption and electrical supply

High = 50 W
Standby = < 3 W

This heater has a 1.5 m power cord with a 3-pin plug supplied. The standard electrical connection is to the rear left of the appliance.

Safety devices

Overheat switch, electrical fuse, and flame failure sensing system.

Temperature control

- Manual models
Manual control on the unit
- ETR models
Thermostat temperature control, range 7-32 °C. The lower temp. range is for cooler climates where rooms could fall below 7 °C.

Weight - 60 kg

ETR model



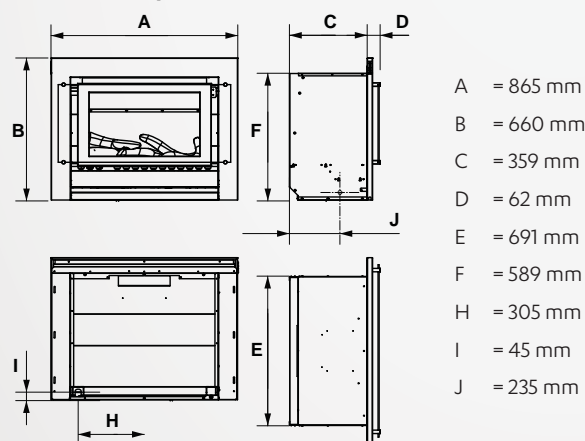
Manual model



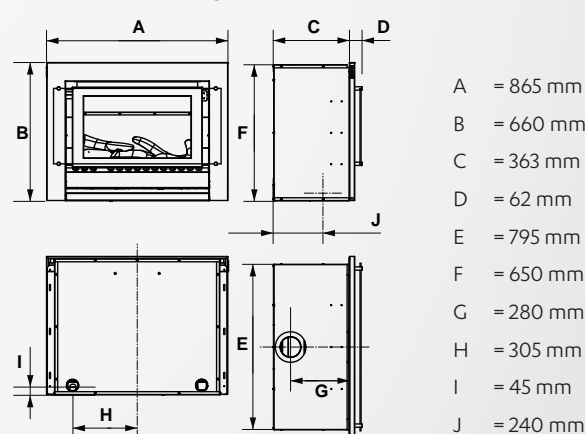
* Will vary according to gas type, refer website for a full breakdown between NG and LPG

** Will vary depending on geographical location in NZ

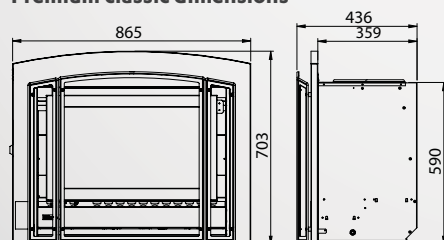
Inbuilt masonry



Inbuilt mock chimney



Premium classic dimensions



Please note:

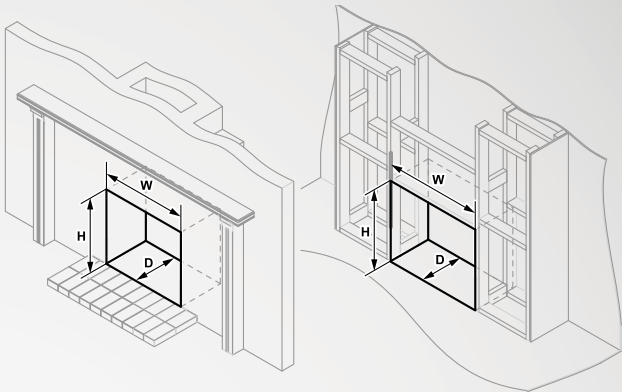
- Above dimensions include the frame
- H, I, J dimensions refer to the gas connection

Neo Inbuilt/Premium Classic positioning

Framing dimensions

The main points governing location are flueing and warm air distribution. The Neo Inbuilt/Premium Classic models require a zero clearance box (p. 36). This is a box that isolates the appliance from combustible materials. This means it can be installed directly into a decorative fireplace constructed from materials such as wood or plaster.

	Inbuilt masonry	Inbuilt mock chimney
W-width	695 mm	800 mm
H-height	600 mm	650 mm
D-depth	370 mm	370 mm

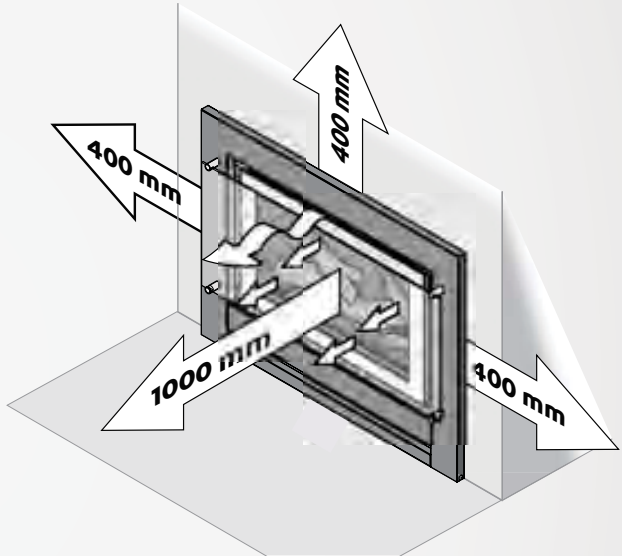


Clearances from combustibles

WHILE THE HEATER IS OPERATING (FROM EDGE OF FRAME)

The appliance must not be installed where curtains or other combustible materials could come into contact with the heater. In some cases curtains may need restraining. The clearances stated are minimum clearances unless otherwise stated.

Above	= 400 mm (1000 mm to ceiling)
Sides	= 400 mm (includes side walls)
In front	= 1000 mm



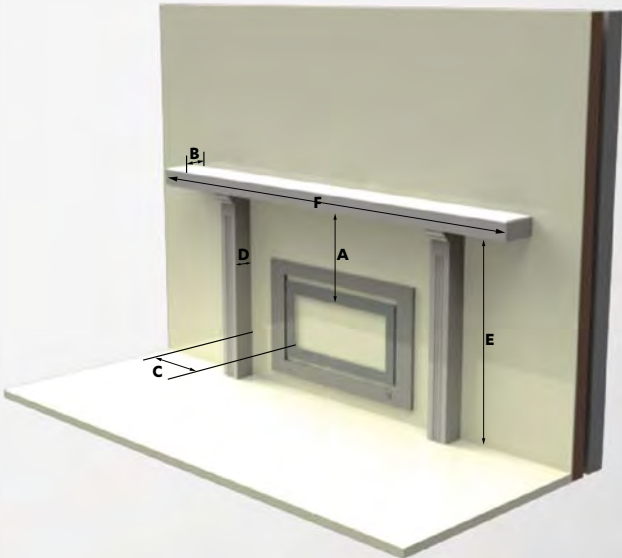
MANTELS AND SURROUNDS (FROM EDGE OF GLASS)

Mantels and surrounds, made of combustible materials, are allowed providing they are outside the minimum clearances shown.

A	Mantel height from top of glass	400 mm min.
B	Mantel depth at A - 400 mm (vertical clearance)	250 mm max.

For every 50 mm of added mantel depth, there must be an additional 100 mm of vertical clearance. For example; a mantel depth (B) of 350 mm will require 600 mm (A) of vertical clearance.

C	Surround from side of glass	200 mm min.
D	Surround projection at C - 200 mm (side clearance)	250 mm max.
E	Minimum mantel height from floor (when heater is mounted on the floor)	910 mm max.
F	Minimum width for surround	915 mm min.



Neo Inbuilt/Premium Classic frames and ZCB



Premium classic black frame with silver dress guard

Code: R2323

Comes with a black inner frame.



Premium classic black frame with bronze dress guard

Code: R2324

Comes with a black inner frame.



Stainless inner, black outer frame

Code: R2325

Stainless steel inner and black outer frame, plus glass dress guard



Stainless inner/trims, black outer frame

Code: R2326

Stainless steel inner and trims, and black outer frame, plus glass dress guard.



Stainless inner and outer frame

Code: R2327

Stainless steel inner and outer frame, plus glass dress guard.



Black inner and outer frame

Code: R2328

Black inner and outer frame, plus glass dress guard.

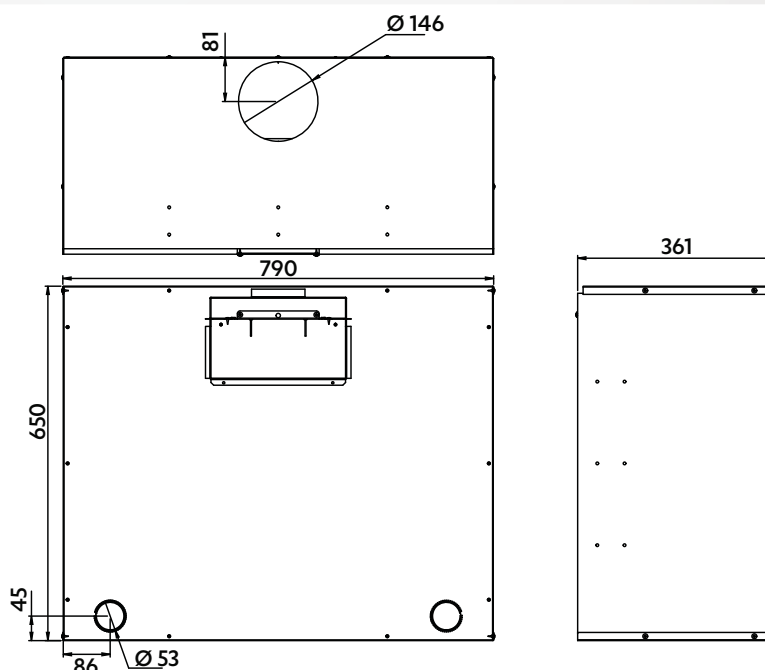


Neo zero clearance box (ZCB)

Code: R2340

Isolates the appliance from combustible materials. Required for all mock chimney installations—includes the flue spigot (requires assembly).

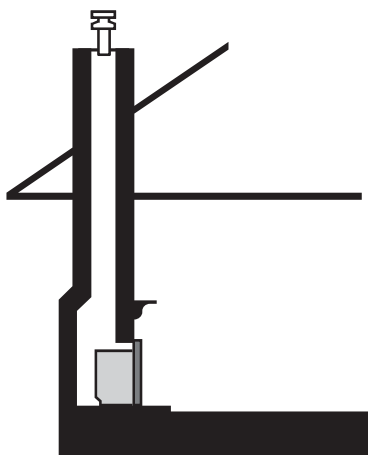
Installed flush with the drywall surface.



Neo Inbuilt/Premium Classic flueing options

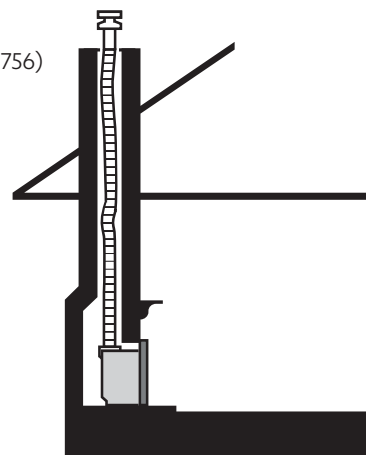
Masonry - without flexiliner flue

Flue component:
- Flue cowl (R1760-2)



Masonry - with flexiliner flue

Flue components:
- Flexiliner flue kit (R1756)



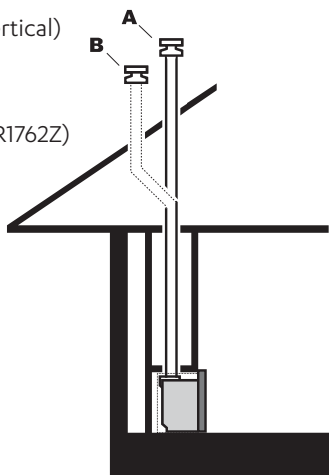
Inbuilt mock chimney - direct and offset

A - direct flue (straight vertical)
B - offset flue (45° bends)

Flue components - **A**:
- Zero clearance flue kit (R1762Z)

Flue components - **B**:
- Zero clearance flue kit (R1762Z)

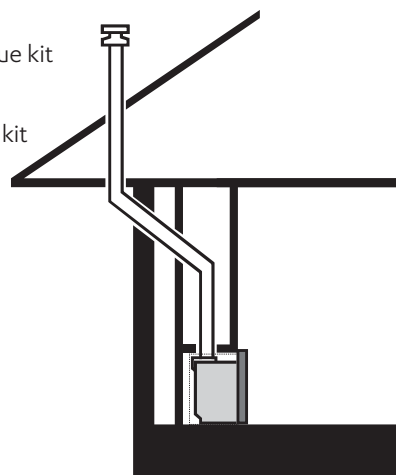
- 45° bend kit (R1764) x 2



Inbuilt mock chimney - offset wall penetration

Flue components:
- Zero clearance flue kit (R1762Z)

- Wall penetration kit (R1766)



Masonry installations

Rinnai recommends the use of a flexiliner flue system (flexi Ø 100 mm) as it ensures optimum performance of the appliance. Installation without a flexiliner flue is permissible as long as the chimney is checked for soundness and ability to achieve a good draw. If in doubt it pays to install the flexiliner flue.

Mock chimney (zero clearance) flueing

Natural draft flue double skin flue. For installations into a combustible opening a Rinnai zero clearance box and flue kit are mandatory.

Flue dimensions: Inner 100 mm, outer 150 mm.

There must be a 25 mm clearance from the inner flue to any combustible surface.

Flue length and maximum number of bends

Minimum flue length

This is required to ensure adequate draw and prevent spill-back of combustion products—can cause the safety sensors to shut down the fire.

- Min. flue length before any bends or offsets
1.2 m (or one length of flue)
- Min. vertical length
3.6 m (or three lengths of flue)

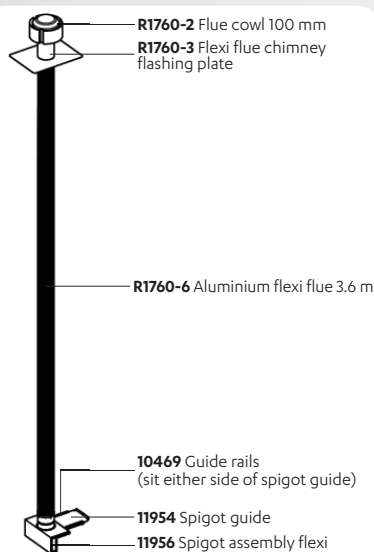
Maximum flue length

Rinnai recommends a maximum flue length of 8 m, with a maximum of two 45° bends.

Flue construction

Inner - stainless steel
Outer - galvanised

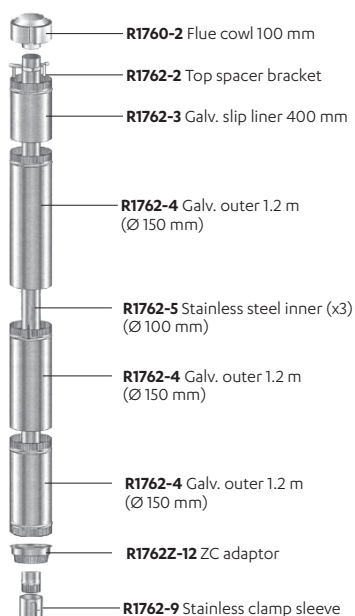
Neo Inbuilt/Premium Classic flue components



Neo flexiliner flue kit 3.6 m

Code: R1756

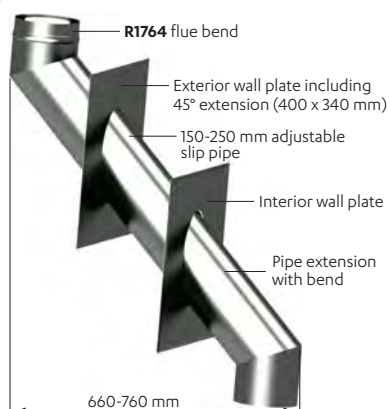
For installation into an existing masonry fireplace. Allows the fire to perform more effectively by achieving a better draw. Includes; flue cowl, chimney flashing plate, flexiliner, and flue spigot.



Zero clearance flue kit galv.

Code: R1762Z

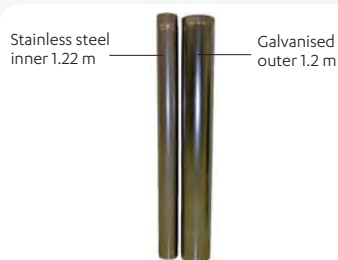
Galvanised zero clearance flueing (3.6 m) for fires installed into combustible openings.



Wall penetration kit galv.

Code: R1766

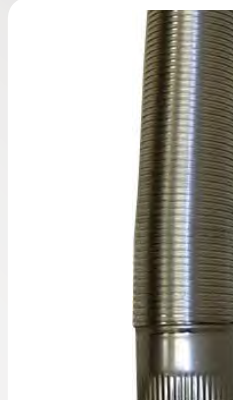
For internal to external applications (multi-storey dwelling). Used in conjunction with the ZC flue kit. Minimum of one length of flue pipe required before using this kit.



Flue extension galvanised

Code: R1763Z

Galvanised flue extension for flues exceeding 3.6 m.



Flexiliner flue extension

Code: R1761

Extension for flues exceeding 3.6 m. Comes as a 2 m length and extends to 3.6 m.



Flue extension stainless steel

Code: R1763SS

Stainless steel flue extension. Recommended for external penetrations through the roof, for locations close to the sea, where traditional flueing may rust.



45° bend galvanised (1)

Code: R1764

45° bend used for offset applications. Can only be used to offset the flue. Max. of two per installation. Inner is stainless steel and outer is galvanised.

Centre to centre = 150 mm.



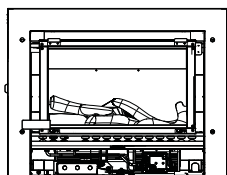
Neo flexiliner flue spigot

Code: R1756-5F

If there is an existing flexiliner flue already in place from a previous installation (in good condition), the flexiliner flue spigot can be ordered as a separate component. Requires assembly.

Neo Inbuilt/Premium Classic ordering guide

1. Select gas and control type required



Neo ETR NG engine	RIB2311ETRN
Neo ETR LPG engine	RIB2311ETRL
Neo manual control NG engine	RIB2311MN
Neo manual control LPG engine	RIB2311ML

The only difference between the ETR and manual is the remote. Supplied with the engine is the gas connection, frame mounting screws (pre-installed into the engine mounting brackets), and log set.

2. Select frame option



Premium Classic black frame with silver dress guard R2323



Premium Classic black frame with bronze dress guard R2324



Stainless steel inner, black outer frame R2325



Stainless inner/trims, black outer frame R2326



Stainless inner and outer frame R2327



Black inner and outer frame R2328

3. Determine flueing option, and select flue kits and/or flue components

Masonry flueing



Neo flexiliner flue kit 3.6 m R1756 (includes flue spigot)



Flexiliner flue extension R1761 (for flues exceeding 3.6 m)



Neo flexiliner flue spigot R1756-5F (refer note on p. 38)

Inbuilt mock chimney



Neo inbuilt zero clearance box R2340



Zero clearance flue kit galv. 3.6 m R1762Z



ZC flue extension galvanised 1.2 m R1763Z
ZC flue extension stainless 1.2 m R1763SS



Wall penetration kit galvanised R1766



45° bend galvanised (inner, outer and spacer) R1764 Where bends are required—need two per installation

Neo Freestanding specification



Burning log effect freestanding gas fire with glass front and convection fan. Different frame options available.

Choose from either the ETR model, lets you preset the warmth to come on at any time, or the manual control model for push button operation.

Specification summary

Input	= 14-30 MJ/h*
Output	= 2.98-6.94 kW*
Efficiency	= 80%
Heating area	= 69-107 m ² **
Gas type	= NG or ULPG

Suitability

Suitable for freestanding installations. Ideally suited to living rooms and open plan areas.

Burn media

Driftwood log set comes as standard.

Convection fan

Fan forced 2-speed convection fan (low and high). Heat is distributed from the top of the appliance.

Data plate

Inside appliance on the front left hand side.

Gas connection

½ " BSPT. The gas supply terminates inside the heater at the lower front right hand side of the appliance.

Ignition

Continuous spark electronic ignition.

Installation considerations

The Neo draws air for combustion from the room. Adequate ventilation must be calculated and provided by the gasfitter, as per AS/NZS 5601.1

Noise level: 37-45 dB(A)

Flue

Natural draft flue. Inner 100 mm, outer 150 mm. Appliance must be installed with a Rinnai flue system.

Power consumption and electrical supply

High = 50 W
Standby = < 3 W

This heater has a 1.5 m power cord with a 3-pin plug supplied. The standard electrical connection is to the rear left of the appliance.

Safety devices

Overheat switch, electrical fuse, and flame failure sensing system.

Temperature control

- Manual models
Manual control on the unit
- ETR models
Thermostat temperature control, range 7-32 °C. The lower temperature range is for cooler climates where the room temperature could fall below 7 °C.

Weight - 60 kg

ETR model



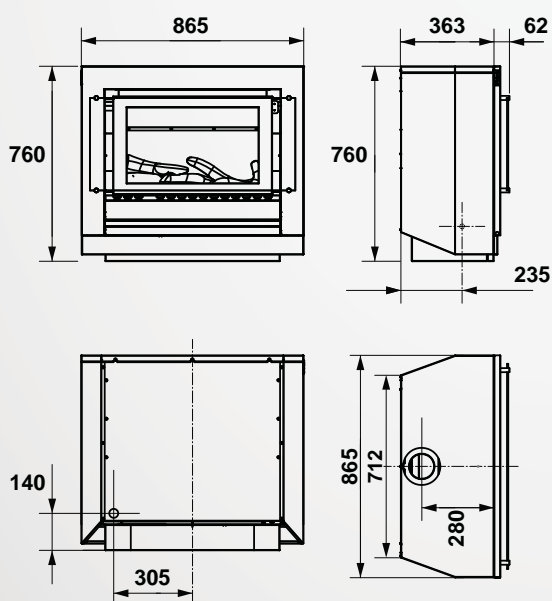
Manual model



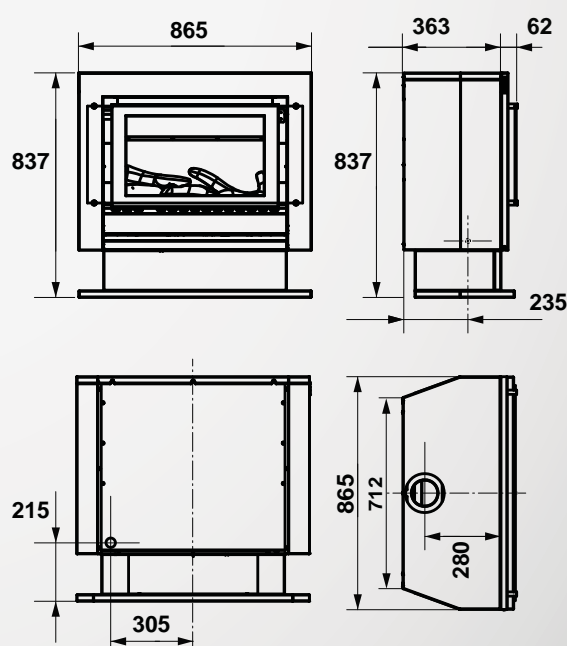
* Will vary according to gas type, refer website for a full breakdown between NG and LPG

** Will vary depending on geographical location in NZ

Freestanding console



Freestanding plinth



Please note: Above dimensions include the frame—all dimensions are in mm.

Neo Freestanding positioning

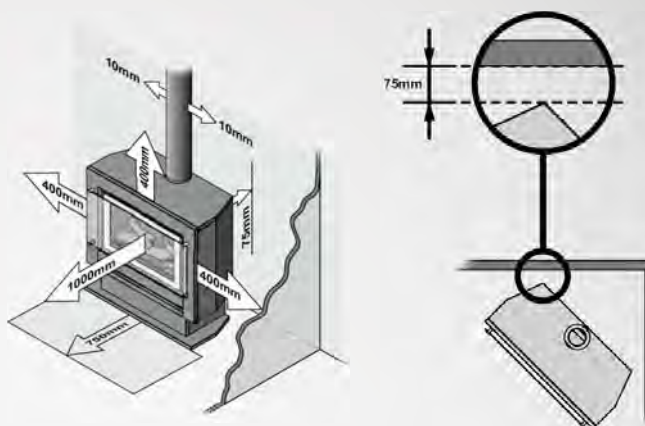
Clearances from combustibles - from edge of frame

WHILE THE HEATER IS OPERATING

The appliance must not be installed where curtains or other combustible materials could come into contact with the heater. In some cases curtains may need restraining. The clearances are minimum clearances unless otherwise stated.

Above	= 400 mm
Sides	= 400 mm (includes side walls)
In front	= 1000 mm

* The 400 mm side clearance includes side walls.



Neo Freestanding frames and outer panel kits



Stainless inner, black outer frame

Code: R2325

Stainless steel inner and black outer frame, plus glass dress guard



Stainless inner/trims, black outer frame

Code: R2326

Stainless steel inner and trims, and black outer frame, plus glass dress guard.



Stainless inner and outer frame

Code: R2327

Stainless steel inner and outer frame, plus glass dress guard.



Black inner and outer frame

Code: R2328

Black inner and outer frame, plus glass dress guard.



Freestanding console kit

Code: R2341GL

Black flat pack console freestanding kit—includes the flue spigot. Assembly required.



Freestanding plinth kit

Code: R2342GL

Black flat pack plinth freestanding kit—includes the flue spigot. Assembly required.

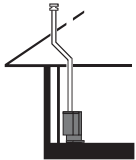
Neo Freestanding flueing options

Freestanding straight vertical

Flue components:

- Freestanding galaxy black flue kit (R1762GL), or
- Freestanding brushed stainless steel flue kit (R1762BS)

If you wanted to offset the flue in the roof (see smaller image below) you would use 45° bend kits (R1764 x2)



Freestanding with offset wall penetration

Flue components:

- Freestanding galaxy black flue kit (R1762GL), or
- Freestanding brushed stainless steel flue kit (R1762BS)

- Wall penetration kit black (R1766GL), or
- Wall penetration kit galvanised (R1766)



Difference in flue lengths

For our inbuilt range our flue lengths are all 1.2 m. For our freestanding flues, those that are powder coated (galaxy black and brushed stainless steel) flue lengths are 1 m. An easy way to remember is:

- unpainted 1.2 m
- painted 1 m

Flue length and maximum number of bends

Minimum flue length

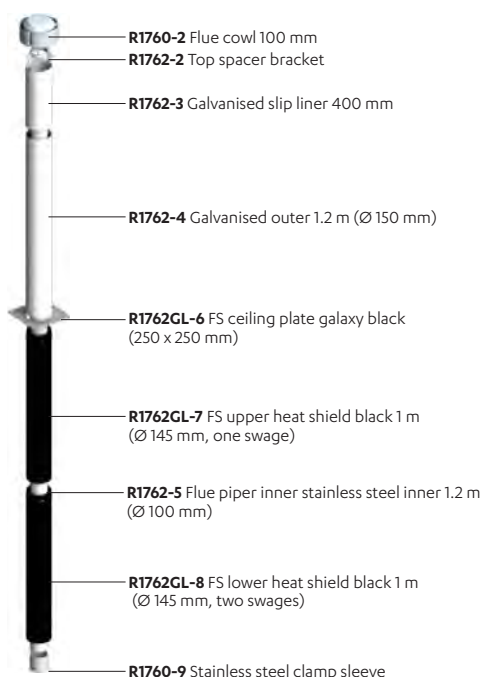
This is required to ensure adequate draw and prevent spill-back of combustion products—can cause the safety sensors to shut down the fire.

- Minimum flue length before any bends or offsets 1 m (or one length of flue)
- Minimum vertical length 3.6 m (or three lengths of flue)

Maximum flue length

Rinnai recommends a maximum flue length of 8 m, with a maximum of two 45° bends.

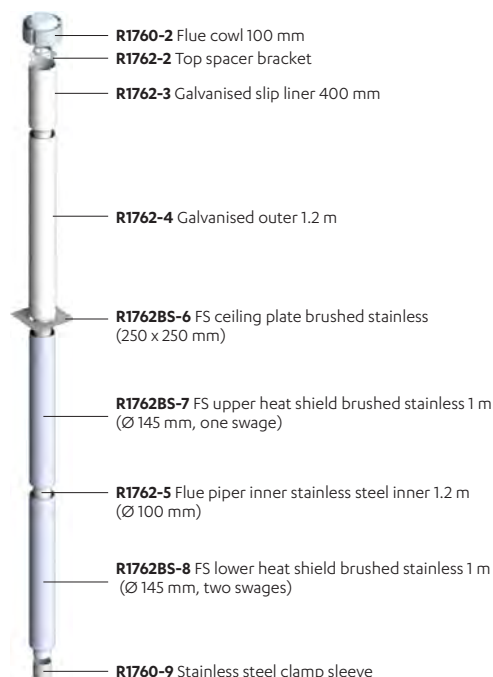
Neo Freestanding flue components



Freestanding galaxy black flue kit 3.6 m

Code: R1762GL

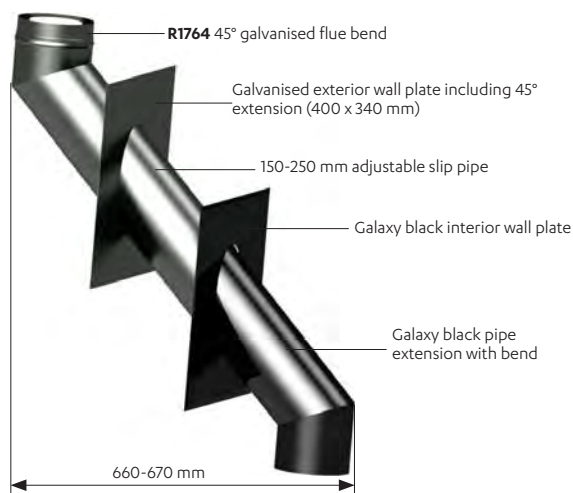
Galaxy black powder coated freestanding flue kit. Black sections of the flue equate to 2 m of flue.



Freestanding brushed stainless flue kit 3.6 m

Code: R1762BS

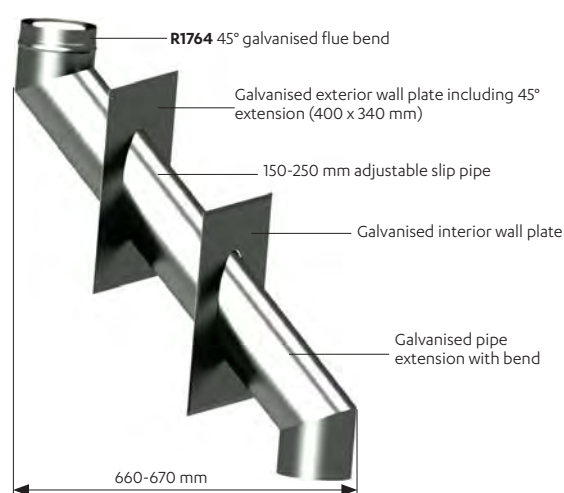
Brushed stainless freestanding flue kit. Brushed stainless sections of the flue equate to 2 m of flue.



Wall penetration kit galaxy black

Code: R1766GL

For internal to external applications (multi-storey dwelling). Used in conjunction with the freestanding flue kit. Minimum of one length of flue pipe required before using this kit.



Wall penetration kit galvanised

Code: R1766

For internal to external applications (multi-storey dwelling). Used in conjunction with the freestanding flue kit. Minimum of one length of flue pipe required before using this kit.

Stainless steel
inner 1.22 m
(Ø 100 mm)



Galvanised
outer 1.2 m
(Ø 150 mm)

Flue extension galvanised

Code: R1763Z

Galvanised flue extension for flues exceeding 3.6 m.

Stainless steel
inner 1.2 m
(Ø 100 mm)



Stainless steel
outer 1.2 m
(Ø 150 mm)

Flue extension stainless steel

Code: R1763SS

Stainless steel flue extension. Recommended for external penetrations through the roof, for locations close to the sea where traditional flueing may rust.

Stainless steel
inner 1 m
(Ø 100 mm)



Galaxy black
outer 1 m
(Ø 145 mm)

Flue extension galaxy black

Code: R1763GL

Powder coated galaxy black internal flue extension.

Stainless steel
inner 1 m
(Ø 100 mm)



Brushed stainless
outer 1 m
(Ø 145 mm)

Flue extension brushed SS

Code: R1763BS

Brushed stainless steel internal flue extension.

Comes with a protective plastic coating on inner and outer component.



45° bend galvanised (1)

Code: R1764

45° bend used for offset applications. Can only be used to offset the flue. Max. of two per installation. Inner is stainless steel and outer is galvanised.

Centre to centre = 150 mm.



45° bend galaxy black (1)

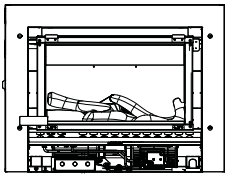
Code: R1765GL

45° black bend used for offset applications. Can only be used to offset the flue. Max. of two per installation. Inner is stainless steel and outer is powder coated black.

Centre to centre = 150 mm.

Neo Freestanding ordering guide

1. Select gas and control type required



Neo ETR NG engine	RIB2311ETRN
Neo ETR LPG engine	RIB2311ETRL
Neo manual control NG engine	RIB2311MN
Neo manual control LPG engine	RIB2311ML

The only difference between the ETR and manual is the remote. Supplied with the engine is the gas connection, frame mounting screws (pre-installed into the engine mounting brackets), and log set.

2. Select frame option



Stainless steel inner, black outer frame R2325



Stainless inner/trim, black outer frame R2326



Stainless inner and outer frame R2327



Black inner and outer frame R2328

3. Select freestanding kit (outer panels for engine)



Flat pack **console** freestanding kit with spigot R2341GL



Flat pack **plinth** freestanding kit with spigot R2342GL

4. Determine flueing option, and select flue kits and/or flue components



Flue kit freestanding galaxy black 3.6 m R1762GL
Flue kit freestanding brushed SS 3.6 m R1762BS



Flue extension galvanised 1.2 m R1763Z
Flue extension stainless steel 1.2 m R1763SS
Flue extension galaxy black 1 m R1763GL
Flue extension brushed SS 1 m R1763BS



Wall penetration kit galvanised R1766
Wall penetration kit galaxy black R1766GL



45° bend galvanised R1764
45° bend galaxy black R1765GL Where bends are required—need two per installation

Compact 2 specification



Inbuilt radiant/convector, glass fronted, ceramic gas fire with forced convection and natural draft flue system. Heat is distributed from the top of the appliance. Different frame options available.

Specification summary

Input	= 9-25 MJ/h
Output	= 1.6-5 kW
Efficiency	= 73%
Heating area	= 50-77 m ² *
Gas type	= NG or ULPG

Suitability

Suitable for masonry installations and installations into a mock (false chimney). Ideally suited to living rooms and open plan areas.

Burn media

Ceramic log set comes as standard.

Convection fan

Convection fan tangential 2-speed.



Electronic ignition



Fan



Manual control

Data plate

Inside appliance on the front right hand side panel.

Gas connection

½ " BSPF male flare—enters from the rear of the appliance, refer diagram below.

Ignition

Continuous spark electronic ignition.

Installation considerations

The Compact 2 draws air for combustion from the room. Adequate ventilation must be calculated and provided by the gasfitter, as per AS/NZS 5601.1

Noise level: 49 dB(A)

Operation

Push button to light pilot and burners (low, medium, high).

Flue: Masonry

Rinnai recommends the use of a Rinnai flexiliner flue system (flexi Ø 100 mm).

Flue: Mock chimney

Natural draft flue. Appliance must be installed with a Rinnai flue system.

Power consumption and electrical supply

High	= 20 W
Standby	= 0 W

This heater has a 1.5 m power cord with a 3-pin plug supplied. The electrical connection can exit the appliance from the lower left or right hand side, or from the rear of the heater.

Safety devices

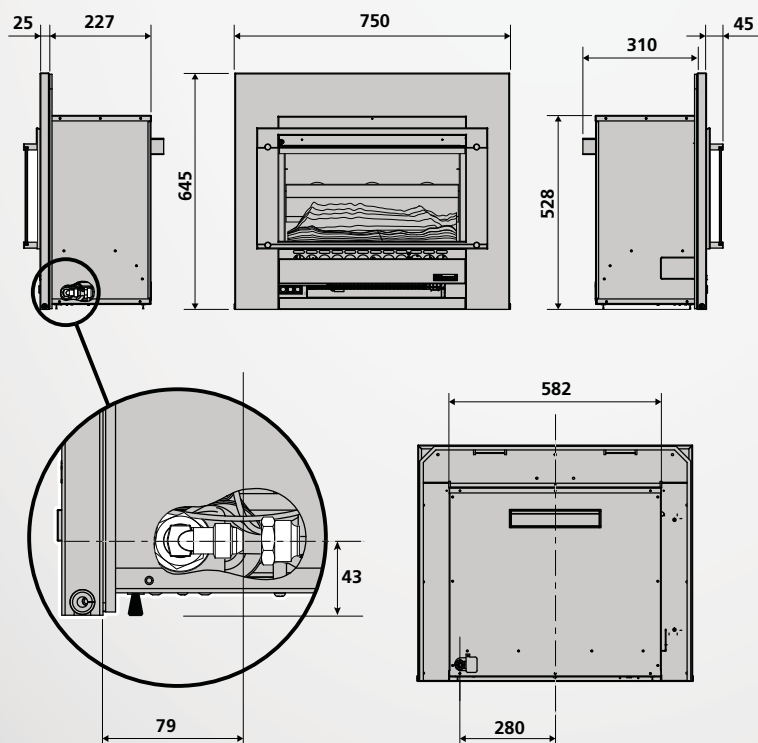
Flame failure thermocouple, overheat switch (bi-metal strip), fan delay, and power failure protection.

Weight: 39 kg



* Will vary depending on geographical location in NZ

All dimensions are in mm.



Compact 2 positioning

Framing dimensions

The main points governing location are flueing and warm air distribution. The Compact 2 requires a zero clearance box (p. 48). This is a box that isolates the appliance from combustible materials. This means it can be installed directly into a decorative fireplace constructed from materials such as wood or plaster.

	Inbuilt masonry	Inbuilt mock chimney
W-width	595-700 mm	685 mm
H-height	550-630 mm	615 mm
D-depth	360 mm	380 mm

For inbuilt mock chimney installations, the total depth **MUST** also include the thickness of the external cladding as the zero clearance box **MUST** BE installed flush with the cladding surface to ensure alignment of the flue.

Clearances from combustibles (from edge of frame)

WHILE THE HEATER IS OPERATING

The appliance must not be installed where curtains or other combustible materials could come into contact with the heater. In some cases curtains may need restraining. The clearances are minimum clearances unless otherwise stated.

Above	= 80 mm
Sides	= 180 mm (includes side walls)
In front	= 1000 mm

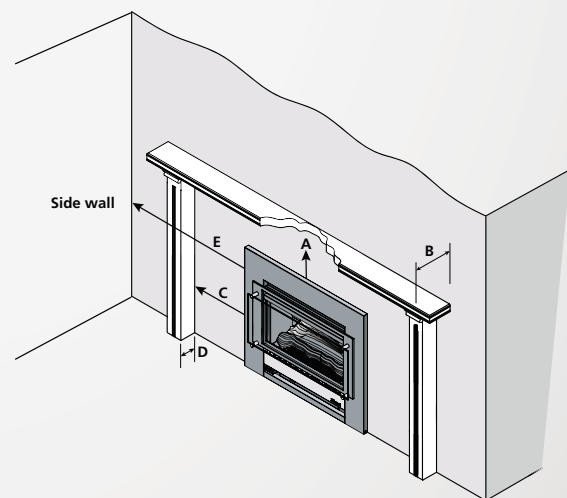
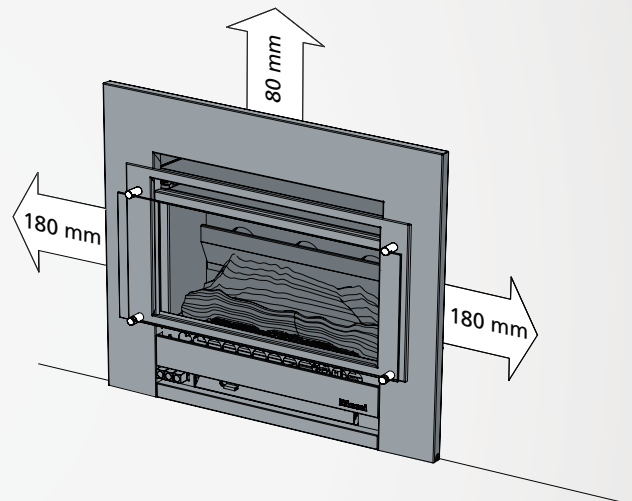
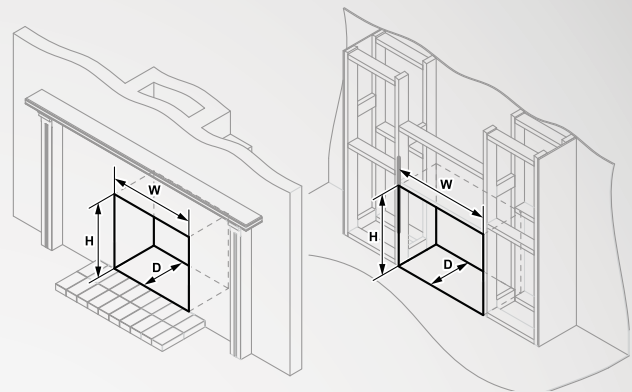
MANTELS AND SURROUNDS

Mantels and surrounds, made of combustible materials, are allowed providing they are outside the minimum clearances shown.

A	Mantel height from edge of frame	80 mm min.
B	Mantel depth at A - 80 mm (vertical clearance)	150 mm max.

For every 50 mm of added mantel depth, there must be an additional 100 mm of vertical clearance. For example; a mantel depth (B) of 200 mm will require 180 mm (A) of vertical clearance.

C	Surround from side of glass	80 mm min.
D	Surround projection at C - 80 mm (side clearance)	250 mm max.
E	Clearance to side wall	180 mm



Compact 2 frames and zero clearance box



Traditional black frame

Code: R2524

Matt black steel frame.



Stainless inner, black outer frame

Code: R2525

Stainless steel inner and black outer frame, plus glass dress guard.



Stainless inner and outer frame

Code: R2527

Stainless steel inner and outer frame, plus glass dress guard.



Black inner and outer frame

Code: R2528

Black inner and outer frame, plus glass dress guard.



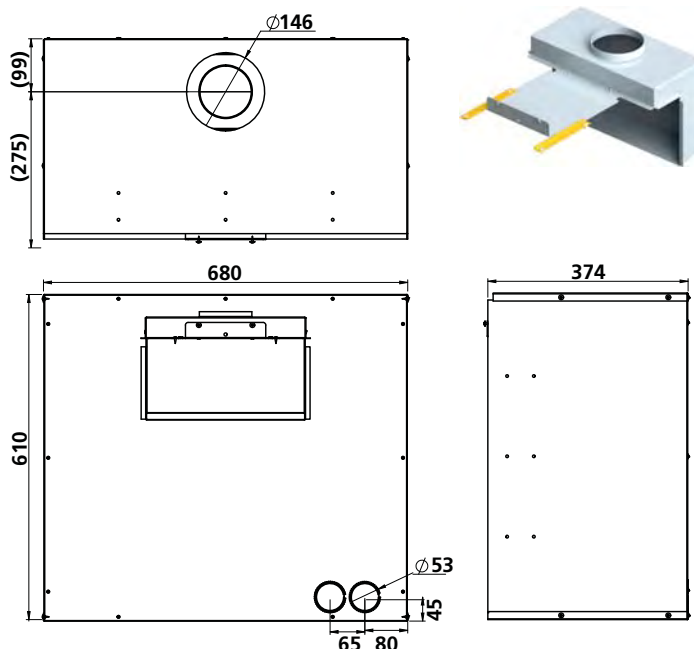
Compact 2 zero clearance box

Code: R2520

Zero clearance box (ZCB) that isolates the appliance from combustible materials.

Required for all mock chimney installations—includes flue spigot.

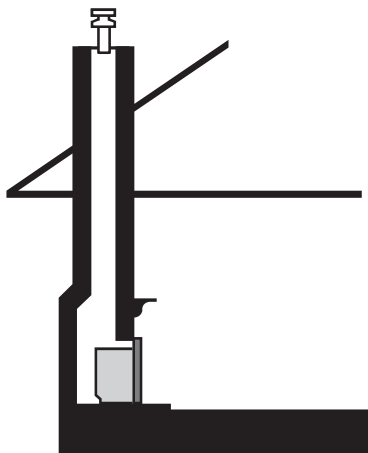
Installed flush with drywall.



Compact 2 flueing options

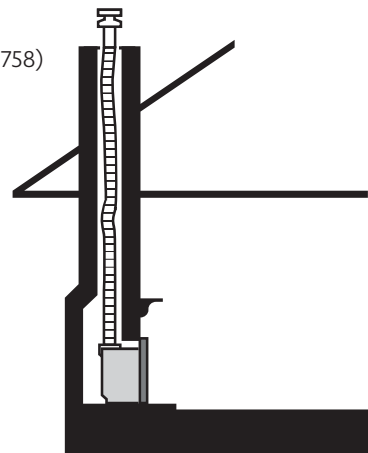
Masonry - without flexiliner flue

Flue component:
- Flue cowl (R1760-2)



Masonry - with flexiliner flue

Flue components:
- Flexiliner flue kit (R1758)



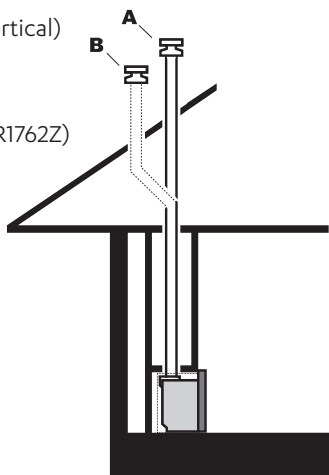
Inbuilt mock chimney - direct and offset

A - direct flue (straight vertical)
B - offset flue (45° bends)

Flue components - **A**:
- Zero clearance flue kit (R1762Z)

Flue components - **B**:
- Zero clearance flue kit (R1762Z)

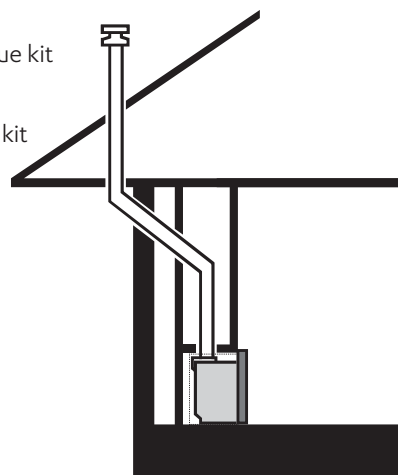
- 45° bend kit (R1764) x 2



Inbuilt mock chimney - offset wall penetration

Flue components:
- Zero clearance flue kit (R1762Z)

- Wall penetration kit (R1766)



Masonry installations

Rinnai recommends the use of a flexiliner flue system (flexi Ø 100 mm) as it ensures optimum performance of the appliance. Installation without a flexiliner flue is permissible as long as the chimney is checked for soundness and ability to achieve a good draw. If in doubt it pays to install the flexiliner flue.

Mock chimney (zero clearance) flueing

Natural draft flue double skin flue. For installations into a combustible opening a Rinnai zero clearance box and flue kit are mandatory.

Flue dimensions: Inner 100 mm, outer 150 mm.

There must be a 25 mm clearance from the inner flue to any combustible surface.

Flue length and maximum number of bends

Minimum flue length

This is required to ensure adequate draw and prevent spill-back of combustion products—can cause the safety sensors to shut down the fire.

- Min. flue length before any bends or offsets
1.2 m (or one length of flue)
- Min. vertical length
3.6 m (or three lengths of flue)

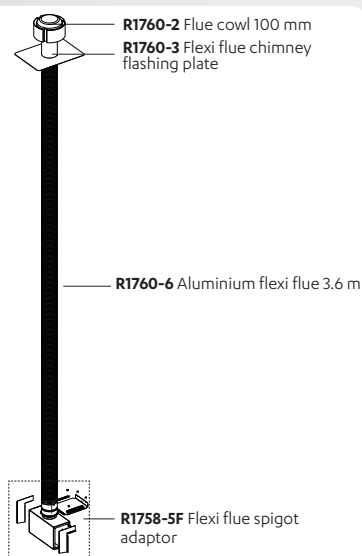
Maximum flue length

Rinnai recommends a maximum flue length of 8 m, with a maximum of two 45° bends.

Flue construction

Inner - stainless steel
Outer - galvanised

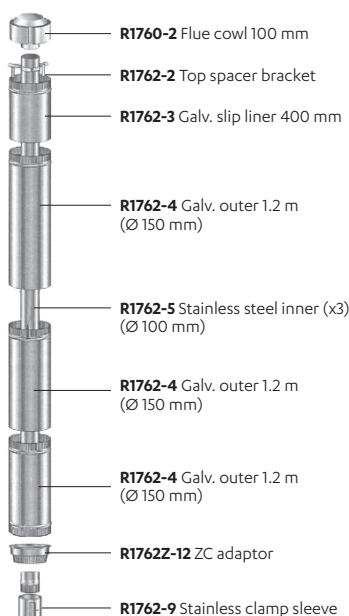
Compact 2 flue components



Compact flexiliner flue kit 3.6 m

Code: R1758

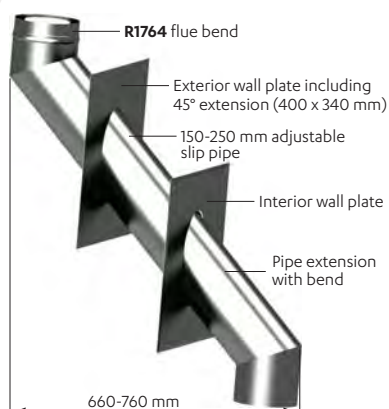
For installation into an existing masonry fireplace. Allows the fire to perform more effectively by achieving a better draw. Includes; flue cowl, chimney flashing plate, flexiliner, and flue spigot adaptor.



Zero clearance flue kit galv.

Code: R1762Z

Galvanised zero clearance flueing for fires installed into combustible openings.



Wall penetration kit galv.

Code: R1766

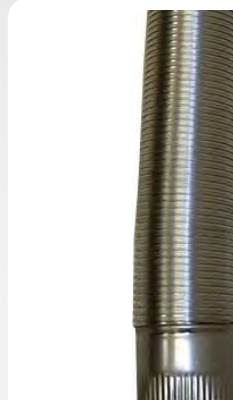
For internal to external applications (multi-storey dwelling). Used in conjunction with the zero clearance flue kit. Minimum of one length of flue pipe required before using this kit.



Flue extension galvanised

Code: R1763Z

Galvanised flue extension for flues exceeding 3.6 m.



Flexiliner flue extension

Code: R1761

Extension for flues exceeding 4 m. Comes as a 2 m length and extends to 3.6 m.



Flue extension stainless steel

Code: R1763SS

Stainless steel flue extension. Recommended for external penetrations through the roof, for locations close to the sea where traditional flueing may rust.

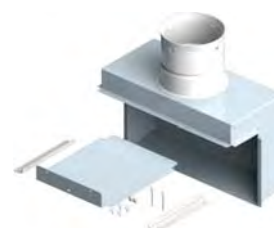


45° bend galvanised (1)

Code: R1764

45° bend used for offset applications. Can only be used to offset the flue. Max. of two per installation. Inner is stainless steel and outer is galvanised.

Centre to centre = 150 mm.



Compact flexiliner flue spigot

Code: R1758-5F

If there is an existing flexiliner flue already in place from a previous installation (in good condition), the flexiliner flue spigot can be ordered as a separate component. Requires assembly.

Compact 2 ordering guide

1. Select gas type (engine)



Compact 2 NG engine	RIBF2N
Compact 2 LPG engine	RIBF2L

Supplied with the engine is the ½ " BSPF male flare nut, adhesive back foam sealing strip, frame mounting screws (pre-installed into the engine mounting brackets), and the log set.

2. Select frame option



Traditional black frame	R2524
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Black outer and stainless steel inner frame	R2525
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Stainless steel inner and outer frame	R2527
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Black outer and inner frame	R2528
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3. Determine flueing option, and select flue kits and/or flue components

Masonry flueing



Compact flexiliner flue kit 3.6 m	R1758 (includes flue adaptor)
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Flexiliner flue extension	R1761 (for flues exceeding 3.6 m)
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Compact flexiliner flue spigot*	R1758-5F
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* If there is an existing Rinnai flexiliner flue already in place from a previous installation, in good condition, the flexiliner flue spigot can be ordered as a separate component.

Inbuilt mock chimney



Compact inbuilt zero clearance box	R2520
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Zero clearance flue kit galv. 3.6 m	R1762Z
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ZC flue extension galvanised 1.2 m	R1763Z
ZC flue extension stainless 1.2 m	R1763SS



Wall penetration kit galvanised	R1766
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45° bend galvanised (inner, outer and spacer)	R1764	Where bends are required— need two per installation
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Impression outdoor fire specification



Open radiant/convector outdoor gas fire with manual control.

Specification summary

Input = 25-45 MJ/h
Output = 12 kW
Gas type = LPG as standard*

* Can be converted to NG with a LPG-NG conversion kit

Suitability

Suitable as a permanent fixed heating appliance in outdoor areas only.

NOT SUITABLE for installation into an exterior wall of a dwelling.

Burn media

Ceramic stones come as standard.

Data plate

Left hand side of burner under granite.

Gas control

Gas control valve consisting of an inlet connection, Piezo igniter, thermocouple flame failure and manual control knob.

Ignition

Intermittent pilot.

Installation considerations

Cannot be installed into an exterior wall.

Installations using a 9 kg LPG bottle connection can be completed by the homeowner.

Installations for fixed NG and LPG connections MUST BE completed by a licensed gasfitter.

Operation

Push button control.

Flue - no flue required.

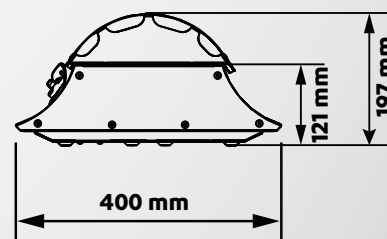
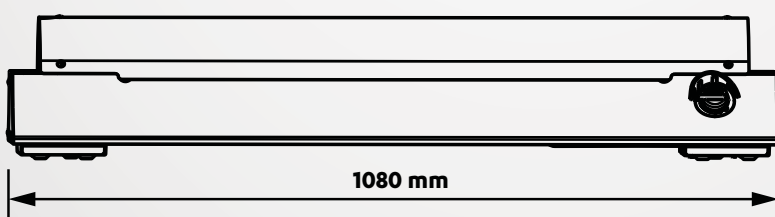
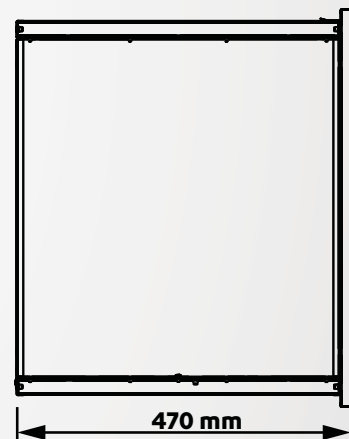
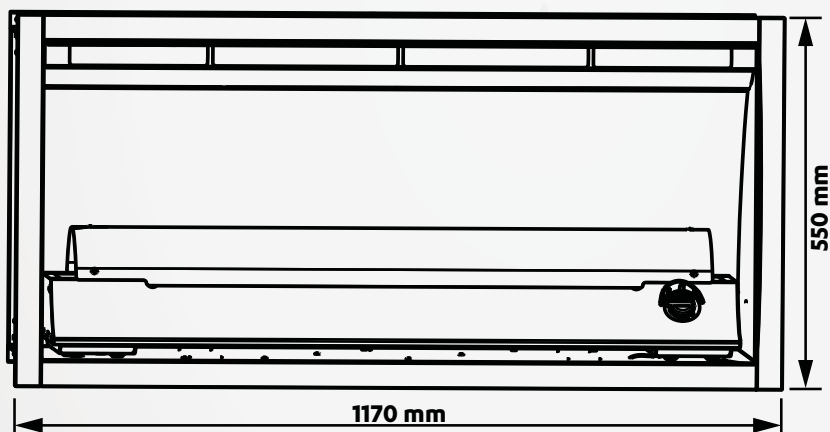
Safety devices

- Light to pilot
- Flame failure

Weight

Burner assembly = 20 kg
Body assembly = 30 kg*

* Single sided cabinet



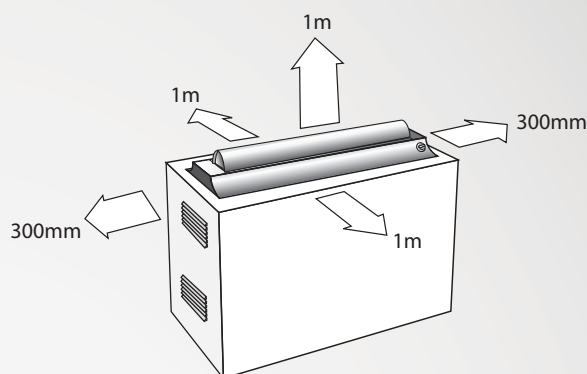
Impression outdoor fire positioning

Appliance location and surround dimensions

The Rinnai Impression outdoor fire must be installed as a permanent fixture in an outdoor area. It must not be installed into an exterior wall of a dwelling.

Considerations such as trees, neighbours, protection from direct rain and sea spray, openable windows, gas supply, and clearances from combustibles will influence where you can position the appliance. Location will also be dependent on the type of unit purchased and if installing into a combustible cavity.

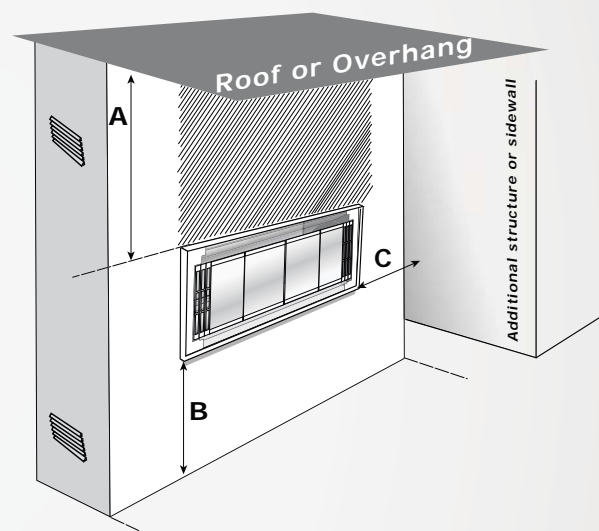
There are a number of different framing options available, all of which have different installation dimensions—too many to list here. For information on enclosure and framing dimensions, please refer to the operation and installation manual available on the Rinnai website.



General clearances for the freestanding unit

Clearances from combustibles

Structure	Clearance required
Below eaves, balconies or other projections (A)	1000 mm
If the projection is a shade cloth or material awning then this is deemed a combustible material with a recommended clearance of 1500 mm.	
From the ground or other surface (B)	100 mm cabinet 700 mm freestanding
Ground level to bottom of fireplace. For optimal viewing while standing or sitting it is recommended to position between 600-800 mm from the ground. If installing the cabinet option at a lower level, remember to allow enough room for the gas connection underneath.	
Walls (C), side of unit to side wall	500 mm
Gas and electricity meters	1000 mm
Drain or soil pipe	150 mm
Openable windows and doors	500 mm
From an openable window, door or non-mechanical air inlet, or any other opening into a building, with the exception of sub-floor ventilation.	
Mechanical air inlet (e.g. air conditioning unit)	2000 mm

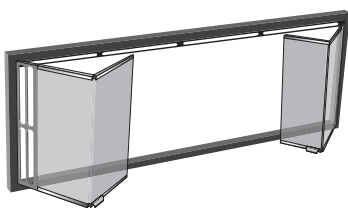


General clearances for the inbuilt unit

Mantels or protrusions cannot be installed above the unit if any part of the surround is made of combustible material. If installing into a non-combustible surround the mantel/protrusion must also be non-combustible.

Fixed objects such as outdoor furniture, umbrellas, and plants should be at least one metre away from the unit when it is in operation.

Impression outdoor fire accessories



Glass bi-fold door assembly

Code: R2612

Offers wind protection when the unit is on, and when not in use, protection from wind, rain, and nesting animals. Suitable for cabinet installations using cladding and finishes that can withstand temperatures up to 150 °C.



LPG-NG conversion kit

Code: R2613

Conversion can occur at the time of installation of the fire, or as a retrofit installation.

Conversion must be completed by a licensed gasfitter.



Console base module

Code: R2632

Allows for a perfect fit of the Impression outdoor fire. The metal modules can be stacked to form a number of different configurations.

Width - 1700 mm, height - 700 mm, depth - 470 mm.



Console spacer module

Code: R2633 (sold as a pair)

Designed to act as side units or legs. The Impression will sit perfectly between the spacers, giving the installation a clean flush look.

Height - 560 mm, width - 250 mm, depth - variable (dependent on cladding).



Console door module

Code: R2631

Designed to be installed into the base module to provide easy access to either a storage area or to 9 kg gas bottles.

Can be customised with a hand slot so the door can be lifted in and out.

image unavailable

Metal lintel kit

Code: R2629

Additional metal lintel.

For enclosure designs where clearance from the first metal lintel is less than 500 mm.

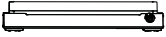
Impression outdoor fire ordering guide

1. Select Impression model



Single sided cabinet LPG

ROF4501MDBL



Freestanding burner assembly LPG

ROF4500MDBL

Single sided cabinet: Burner assembly, frame trim kit components, stainless steel weather cover, granite cover and trims, ceramic stones, LPG hose and regulator assembly, angle brackets, and metal lintel.

Freestanding unit: Burner assembly, stainless steel weather cover, granite cover and trims, ceramic stones, LPG hose and regulator assembly.

2. Select optional accessories



Glass bi-fold door assembly

R2612



LPG to NG conversion kit

R2613



Console base module

R2632



Console spacer module

R2633



Console door module

R2631

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Metal lintel kit

















R2629

Rinnai gas fireplaces

Appendices

Appendix 1: Rinnai heating running costs

Running costs can play an important part in the purchase decision. Based on the information in the table below, calculate for yourself the approximate running cost of a Rinnai appliance, and approximate hours a 45 kg LPG bottle will last.

Rinnai appliance		Gas consumption (MJ/H)		Energy output (kW/h)		45 kg bottle will last (hrs)		Running costs per hour (\$)			
								LPG		Natural Gas	
								\$113.80 per 45 kg		\$0.075 per kWh	
ENERGYSAVERS		Low	High	Low	High	Low	High	Low	High	Low	High
	Energysaver 309FT	5.80	13.00	1.20	3.10	391	174	0.29	0.66	0.12	0.27
	Energysaver 561FT	9.00	21.00	1.90	4.80	252	108	0.46	1.06	0.19	0.44
	Energysaver 559FT	9.00	23.00	1.90	5.30	252	99	0.46	1.16	0.19	0.48
	Energysaver 1004FTR	11.00	37.00	11.00	37.00	206	61	0.56	1.87	0.23	0.78
GAS FIREPLACES											
	Arriva 750 and 752	8.00	31.50	1.80	7.00	284	72	0.40	1.59	0.17	0.66
	Compact 2	9.00	25.00	1.60	5.00	252	91	0.46	1.26	0.19	0.52
	Evolve 950	10.00	34.00	2.4	8.13	227	68	0.51	1.72	0.21	0.71
	Neo on NG	14.00	27.00	2.98	6.04	-	-	-	-	0.29	0.56
	Neo on LPG	14.00	30.00	3.24	6.94	162	76	0.71	1.52	-	-
	Symmetry RDV3611	19.00	33.00	3.80	7.50	119	69	0.96	1.67	0.40	0.69
PORTABLE CONVECTORS											
	Dynamo	6.00	15.00	1.70	4.20	378	151	0.30	0.76	0.13	0.31
	Avenger	8.50	25.00	2.40	6.20	267	91	0.43	1.26	0.18	0.52
SUPER RAYS											
	Indoor Super Ray 16	-	16.00	-	4.4	-	142	-	0.81	-	0.34
	Indoor Super Ray 24	-	24.00	-	6.6	-	95	-	1.21	-	0.50
	Indoor Super Ray 40	-	40.00	-	11.1	-	57	-	2.02	-	0.84
	Outdoor Super Ray	-	24.00	-	6.6	-	95	-	1.21	-	0.50

Running cost scenario: Arriva models

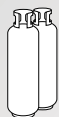
During the cooler months the Arriva runs for approximately two hours in the morning and three hours in the evening. This equates to approximately five hours use everyday.

- Approximate weekly cost on Natural Gas: \$5.95-\$23.10 (low to high)
- Approximate weekly cost on LPG: \$14-\$55.65 (low to high)

This table is meant as a guide only. Please refer to the notes regarding running cost assumptions and how values have been calculated. Always double check figures based on your own use. Please note: All Rinnai appliances, excluding the manual Super Rays require electricity to run—electricity costs have not been factored into the hourly running costs.

Running cost assumptions and calculations

LPG gas bottle energy calculation



1 kg of LPG gas contains 50.4 MJ of energy

1 kW = 3.6 MJ

This means that a 45 kg LPG bottle has 2268 MJ (45 kg x 50.4 MJ)

LPG and Natural Gas costs

Natural Gas costs are based on the Genesis Energy Auckland charges as at 15 January 2014 (7.50c/kWh) including GST, a 10% prompt payment discount, and excluding the fixed line charge.

LPG costs are based on the Genesis Energy Auckland standard charges (\$113.80 per 45 kg bottle refill and standard delivery), including GST, and excluding LPG annual bottle rental, and excluding electricity running costs.

The cost of LPG and Natural Gas will differ in each area, please check with your local supplier. The cost of cylinder rental, line charges and other variables are not included in the running costs.

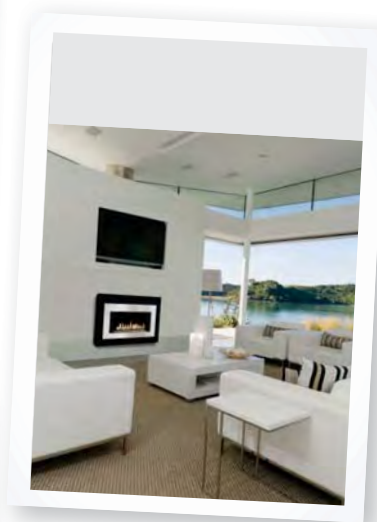
Calculating your own running costs

To calculate running costs on LPG:

1. Calculate the cost of gas per MJ/h, for example; $\$113.80 \div 2268 \text{ MJ} = \0.050 per MJ/h
2. Calculate the approximate running cost per hour, for example; $\$0.050 \times 5.80 \text{ MJ/h} = \0.29 per hour

To calculate running costs on Natural Gas:

1. Convert the MJ input of the appliance to kW, for example; $5.80 \text{ MJ/h} = 1.61 \text{ kW/h}$
2. Calculate the approximate running cost per hour, for example; $\$0.075 \times 1.61 \text{ kW/h} = \0.12 per hour



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